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THE
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Report on

The Hon. Company's

Botanic Gardens,

Calcutta, 1843.

Parts I. V. VI. VII.

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REPORT

ON THE

Hon'ble Company's Botanic Gardens,

CALCUTTA.

PARTS I. V. VI. VII.

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CALCUTTA:

PRINTED AT THE BENGAL MILITARY ORPHAN PRESS,
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1843.

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No. 1.

GENERAL CATALOGUE

OF

PLANTS.

REMARKS

ON THE

GENERAL CATALOGUE OF PLANTS

THIS General Catalogue contains the Plants bonâ fide in the Botanic Gardens at the present date.

2. It has been drawn up from the books kept by Buxoo, one of the head Malees, a person of abilities and extraordinary memory, capable of keeping pace with the most modern system of nomenclature. He is the only person in the Gardens acquainted with the names of the plants, and as the majority of these are not named even in Bengally or Nagree, if any accident had happened to him, no Catalogue at all could have been submitted. I believe it gives a faithful idea of the plants actually in these Gardens; it is rather, perhaps, in excess. The labour on my part has only consisted in writing the names Buxoo gave, and then arranging them, in which I have taken as a guide, merely for the sake of convenience, Lindley's Introduction to the Natural Orders.

The chief difficulty I have experienced has arisen from the very imperfect classification Buxoo has been obliged to follow, partly consisting of the Linnean, partly of the Natural Method; this last even in the instances of well-marked families being generally faulty and often quite erroneous. Thus of Verbenaceous genera, Buxoo's list did not contain Tectona, Duranta, Lantana, Symphorema; Scrophularineæ were defective in Russelia, Gratiola, Veronica, Limosella, Gerardia, Angelonia, Antirrhinum, Maurandya, Browallia, Franciscea, Celsia, Verbascum. Difficulties also arose during the incorporation of the lists of Seeds in the Seed House, &c. and of Plants in the Distribution Nursery, neither of which corresponded throughout in nomenclature with the Catalogue of Buxoo. The nomenclature, generally speaking, is to be regarded as obsolete, and not of the required degree of authority. The genera, in many cases, are a mass of confusion, for instance Cyperus, Panicum, Gratiola.

3. I have not derived any assistance from the Catalogues of the Superintendant, of which one only, without date, is tolerably complete. But this Catalogue I am informed is not limited to living plants bonâ fide in the Gardens; and several intricate genera, and some of the intricate families, are left either entirely or partly blank.

4. As the present Catalogue stands, it will be perhaps of service as a fresh starting point, and as enabling other Institutions to ascertain the extent of the Collection of

living plants in these Gardens; particularly as it shews the plants on the average distribution lists, and the seeds which may, on the average, be procured annually.

5. In number of species it is scarcely richer than the Hortus Benghalensis of Dr. Roxburgh, published 29 years ago, the excess in its favour being perhaps 250 species. The number of *described* species is probably, however, considerably less. Yet in the meantime the number of species indigenous to British India, existing in Herbaria, has been trebled, and the number of exotic species generally has been also vastly increased.

6. The preparation of a Scientific Catalogue, giving accurately the authorities for the species, its native name, its country, name of the introducer, date of introduction, its habit, time of flowering, seeding, a reference to a good figure, meaning of the generic name, will consume considerable time: nevertheless the Gardens, the oldest established in India, and so liberally supported, should not, by the absence of a proper Catalogue, be a marked exception to a general rule.

7. The delay will be occasioned by the want of an Herbarium, the defective series of drawings, the want of essential books of reference, and of manuscript descriptions of plants named by the Superintendant, which are comparatively very numerous. In the meantime, a dried collection of the plants in this Catalogue, bearing the names of Buxoo, is in course of preparation—when these are identified, a complete Catalogue can be readily submitted.

GENERAL CATALOGUE

OF

PLANTS

IN THE HON'BLE COMPANY'S BOTANIC GARDEN,

CALCUTTA.

ACOTYLEDONES.

FILICES.

Acrostichum flagelliferum.
„ emarginatum.
„ dimorphum.
Polypodium glabrum.
„ quercifolium.
„ proliferum.
„ altissimum.
Antrophyum sp.
Hemionitis cordifolia.
Pteris lunulata.
„ scandens, ×
„ sp.
Davallia multiflora, ×
„ sp.
Lygodium bicolor.
„ microphyllum.
„ sp.
Ophioglossum flexuosum.
„ cordifolium, ×

MARSILEACEÆ.

Marsilea quadrifolia.

SALVINIACEÆ.

Salvinia cucullata.
„ imbricata.
„ verticillata.
Azolla pinnata.

ACOTYLEDONES. Continued.

MUSCI.

Tortula indica.

EQUISETEÆ.

Equisetum debile, ×

CHARACEÆ.

Chara involucrata.
„ verticillata.

MONOCOTYLEDONES.

SCITAMINEÆ.

Zingiber officinale.
„ Zerumbet, × ‡
„ pardocheilum, ‡
„ Cassumunar, × ‡
„ ligulatum, ‡
„ rubescens, ‡
„ squarrosum, × ‡
„ panduratum, × ‡
„ capitatum, ‡
„ guttulatum, ‡
„ elatum, ‡ ×
„ barbatum, ‡
Curcuma zedoaria, ‡
„ plicata, ‡
„ zerumbet ‡

× Signifies plants in the Distribution Nursery.
‡ Plants which ripen seed in the Botanic Gardens.

SCITAMINEÆ. Continued.

Curcuma zanthorhiza, × ‡
„ cordata, ‡
„ elata, ‡ ×
„ glaucophylla, ‡
„ cœsia, ‡
„ attenuata, × ‡
„ parviflora, ‡
„ rubescens, ‡
„ comosa, × ‡
„ grandiflora, ‡
„ leucorhiza, × ‡
„ angustifolia, ‡
„ longa, ‡
„ Amada, ‡
„ montana, × ‡
„ latifolia, ‡
„ reclinata, × ‡
„ ornata, ‡
„ cordifolia, ‡
„ œruginosa, ‡
„ ferruginea, ‡
Hitchenia glauca, × ‡
Kæmpferia Galanga, ‡
„ Roscoeana, × ‡
„ rotunda, × ‡
„ elegans, × ‡
„ angustifolia, × ‡
„ parviflora, ‡
„ pandurata, ‡
„ ovalifolia, ‡ ×
„ marginata, × ‡
Amomum dealbatum, × ‡
Hedychium carneum, ‡
„ angustifolium, × ‡
„ fastigiatum, ‡
„ spicatum, ‡
„ Gardnerianum, ‡
„ acuminatum, ‡
„ sulphureum, ‡
„ flavescens, ‡
„ ellipticum, ‡
„ giganteum, ‡
„ elatum, ‡
„ coccineum, ‡
Alpinia Galanga, ‡

SCITAMINEÆ. Continued.

Alpinia Allughas, ‡
„ bracteata, ‡
„ nutans, ‡
„ calcarata, ‡
„ porrecta, ‡ ×
Hellenia cærulea.
Gastrochilus pulcherrimus.
„ affinis.
„ Jenkinsii.
Phæomeria magnifica.
Costus speciosus, ‡
„ nepalensis, ‡
„ argyrophyllus, × ‡
Globba marantina, × ‡
„ extensa, × ‡
„ bracteolata, × ‡
„ Careyana, × ‡
Mantisia saltatoria.
Scitaminea indeterminata.

CANNEÆ.

Phrynium dichotomum, ×
„ bicolor, ×
„ zebrinum.
„ setosum.
„ cylindricum.
„ imbricatum.
„ capitatum, ×
„ parviflorum.
Maranta arundinacea, ×
„ ramosissima, ×
Canna Lamberti, × ‡
„ indica, × ‡
„ speciosa, × ‡
„ glauca, × ‡
„ coccinea, ‡
„ discolor, × ‡
„ flaccida, × ‡
„ flavescens, ‡
„ pallida, ‡

MUSACEÆ.

Heliconia buccinata, ×

MUSACEÆ. Continued.

Strelitzia augusta.
„ juncea.
Musa Sapientum.
„ paradisiaca, ×
„ coccinea, ×
„ ornata, ‡
„ superba, ‡
„ textilis, ×
„ glauca, × ‡
„ rubra, ×
„ Cavendishii, ×
Ravenala madagascariensis, ‡

AMARYLLIDEÆ.

Curculigo orchioides, ×
„ recurvata.
„ sumatrana, ×
Hypoxys ovata.
Alstrœmeria pulchella.
Fourcroya tuberosa, × ‡
Agave Cantala, × ‡
„ lurida, × ‡
„ verrucosa, × ‡
„ americana, ‡
Doryanthes excelsa.
Sprekelia Dalhousiei, ×
„ formosissima, ×
Hippeastrum ambiguum, × ‡
„ stylosum, ×
„ equestre v. majus, ×
„ „ „ semiplenum.
„ longe-pedunculatum.
„ spathaceum hybrid.
„ rutilo—Johnsoni.
„ pulverulentum.
„ Johnsoni.
„ reticulatum, × ‡
„ ——————var striatifolium.
„ vittatum.
„ bulbulosum var. rutilum.
„ reginæ—hybrid.
„ abvenum.?
„ fulgidum.
Habranthus tubispatha, × ‡

AMARYLLIDEÆ. Continued.

Habranthus rupestris, ‡
„ spathaceus, ×
Zephyranthes grandiflora.
„ candida, ‡
„ crinita, ×
„ rosea, × ‡
Coburgia variegata.
Pancratium zeylanicum.
„ longiflorum.
„ biflorum.
„ triflorum.
„ maritimum, ×
„ glaucum.
„ carolinianum.
„ caribœum, ×
„ amœnum.
Hymenocallis fragrans v. speciosa.
„ caribœa, ×
„ tenuiflora, ×
„ amæna.
„ angusta.
„ rotata.
Ismene calathina, ×
Eurycles amboinensis, ×
Calostemma luteum.
Hæmanthus puberscens.
Ammocharis coranica v. pallida.
Amaryllis reginæ.
„ equestris.
„ pulcherrima.
„ Belladonna.
„ vittata.
„ longifolia.
„ aurea?
„ corynensis.
„ aulica.
„ pulverulenta.
„ fulgens.
Crinum amœnum, ×
„ erubesc. masson-capense.
„ defixum, × ‡
„ scabrum.
„ zeylanicum, ×
„ „ capense-goven.
„ pratense var longifolium, ×

AMARYLLIDEÆ. Continued.

Crinum pratense var lorifolium.
„ erubesecenti—capense.
„ brevifolium.
„ careyanum, ×
„ canaliculatum.
„ canalifolium.
„ australe var. pedunculatum, ×
„ amabile, ×
„ rigidum.
„ toxicarium, × ‡
„ mauritianum.
„ nervosum.
„ procerum, ×
„ angustum, ×
„ speciosum, ×
„ ornatum zeylanicum.
„ ——— speciosum.
„ ——— Careyanum.
„ ——— Herbertianum.
„ capense.
„ ——— v. riparium.
„ moluccanum, ×
„ Govenianum.
„ Loddigesii.
Brunsvigia utingensis.
„ falcata.
Nerine venusta.
„ undulata.
„ stellata.

TACCACEÆ.

Tacca aspera, ‡
„ pinnatifida, ‡
„ lævis.

IRIDEÆ.

Gladiolus sp.
„ „
„ „
Ixia sp.
„ „
„ „

IRIDEÆ. Continued.

Pardanthus chinensis, × ‡
Iris morœoides, ‡
„ chinensis, ×
„ stenopetala.
„ stenogyna?
„ hungarica, ×
„ napalensis, ×
Cipura paludosa, ×
„ plicata.
„ Northiana, ×
„ brasiliensis.
„ humilis.
Ferraria undulata.
„ Ferrariola.

BROMELIACEÆ.

Bromelia Ananas, ×
„ bracteata, ‡
„ humilis, ‡
„ sylvestris, × ‡
„ Karottas, × ‡
„ sp.
„ sp.
Bilbergia bicolor.
„ pyramidalis v. bicolor.
„ zebrina.
„ humilis, ×
„ iridifolia, ×
Pitcairnia integrifolia, ×
„ bromelifolia, ×
„ latifolia.
„ staminea.
„ bracteata.
Tillandsia amœna.
„ acaulis.
„ sp.

HYDROCHARIDEÆ.

Valisneria octandra, ‡
„ alternifolia, ‡
„ verticillata, ‡
Damasonium indicum, ‡

ORCHIDEÆ.

Pleurothallis ophiocephala.
„ racemiflora.
Physosiphon Loddigesii.
Octomeria graminifolia.
„ Loddigesii.
Oberonia iridifolia.
Liparis cylindrostachya. ×
Otochilus fusca. ×
Pholidota imbricata. ×
„ pallida.
„ articulata. ×
Coelogyne cristata. ×
„ elata. ×
„ nitida. ×
„ decora. ×
„ barbata. ×
„ media. ×
„ undulata. ×
„ flavida. ×
„ fimbriata.
„ rigida. ×
„ præcox. ×
Megaclinium falcatum.
Bolbophyllum recurvum.
„ cocoinum.
„ umbellatum. ×
„ Careyanum. ×
„ leopardinum. ×
„ fuscescens.
„ serpens.
„ auricomum.
Cirropetalum Lindleyi.
„ vaginatum.
Eria flava. ×
„ stellata.
„ carinata.
„ Jenkinsii. ×
„ planicaulis. ×
(Agrostophylli sp.)
„ densiflora. ×
„ clavicaulis
Aporum cuspidatum. ×
„ anceps.
Polystachya lutea.

ORCHIDEÆ. Continued.

Dendrobium Pierardi. ×
„ multicaule. ×
„ uncinatum.
„ villosulum.
„ cœrulescens.
„ Jenkinsii. ×
„ longicorne. ×
„ aggregatum. ×
„ moschatum. ×
„ calceolare. ×
„ œmulum.
„ cucullatum. ×
„ formosum. ×
„ Dalhousianum. ×
„ ungulatum.
„ chrysanthum. ×
„ densiflorum. ×
„ heterocarpum. ×
„ amœnum.
„ secundum.
„ carinulatum. ×
„ crumenatum.
Epidendrum ellipticum.
„ clavatum.
„ nutans.
„ crassifolium.
„ fuscatum.
„ cochleatum.
„ ciliatum.
„ umbellatum.
„ fragrans.
„ Harrisonianum.
„ nocturnum.
„ ciliare.
„ sp.
Brassavola cucullata.
„ trinervis.
Laelia autumnalis.
„ Barkeriana.
„ anceps.
Cattleya Forbesii.
„ Mossii v. superba.
„ citrina.
„ crispa.

ORCHIDEÆ. Continued.

Broughtonia speciosa.
Spathoglottis violacea.
Bletia verecunda.
„ florida.
„ hyacinthina.
Arundina bambusifolia. ×
Phaius Wallichii, ×
„ Tankervilliæ, ×
„ albus, ×
Acriopsis javanica.
Maxillaria densa.
„ rufescens.
„ decolor.
„ aromatica.
„ punctata.
„ squalens.
„ cruenta.
„ Barringtoniæ.
„ Harrisoniæ.
„ aurantiacea.
„ Parkeri.
„ picta.
„ nitidiflora.
„ tetragona.
„ parvula.
„ sp.
Batemannia Colleyi.
Catasetum luridum.
„ tridentatum.
„ pallidum.
„ sp.
„ sp.
Dicrypta Baueri.
Monachanthus viridis.
„ discolor v. viridiflorus.
Peristeria elata.
Cymbidium marginatum.
„ giganteum. ×
„ Mastersii. ×
„ aloifolium. ×
„ lancifolium. ×
„ triste.
Acropera Loddigesii.
Grammatophyllum Finlaysonianum.

ORCHIDEÆ. Continued.

Geodorum dilatatum.
„ pallidum.
Eulophia fusca.
„ exaltata.
Zygopetalum Mackai.
„ squalens.
Cyrtopodium Andersonii.
„ cupreum.
Cyrtopera flava. ×
„ plicata. ×
Rodriguezia planifolia.
„ secunda.
Oncidium luridum.
„ Baueranum.
„ sybillatum.
„ Lanceanum.
„ Papilio.
„ ampliatum.
„ altissimum.
„ carthagineuse.
„ sp.
„ sp.
Brassia Lanceana.
„ maculata.
„ candida.
„ sp.
Vanda cristata. ×
„ Roxburghii. ×
„ teres. ×
„ multiflora. ×
Renanthera coccinea. ×
Camarotis purpurea. ×
Appendicula javanica.
Saccolabium guttatum. ×
„ rigidulum.
„ pallens. ×
„ suaveolens.
„ papillosum. ×
„ carinatum.
„ denticulatum. ×
„ macranthum. ×
Sarcanthus oxyphyllus.
„ affinis.
„ pallidus.

ORCHIDEÆ. Continued.

Acrides odoratum. ×
„ affine. ×
„ refractum.
Œceoclades maculata.
Angræcum Richardianum.
„ subulatum.
„ carneum.
Gongora atropurpurea.
„ maculata.
Stanhopea insignis.
„ grandiflora.
„ eburnea.
„ oculata.
Centrosia corymbosa.
Habenaria commelinifolia.
Platanthera decora.
„ Susannæ.
Pterogodium sulcatum, ×
Pogonia plicata. ×
„ viridiflora. ×
Neottia procera. ×
Hæmaria discolor.
Cypripedium venustum.
Arethusa benghalensis.
Vanilla aromatica. ×
„ planifolia. ×
Ornithocheilus striatulus.
About 24 other species unnamed.

PALMÆ.

Chamædorea elegans.
Thrinax pumila.
Sabal Blackburnianum.
„ barbosum?
„ Adansoni. × ‡
Licuala spinosa. × ‡
„ peltata. × ‡
Rhapis flabelliformis. ×
Chamærops Martiana. × ‡
„ humilis.
„ khasiyana.
Livistona? mauritiana. × ‡
Corypha elata.
„ Taliera.

PALMÆ. Continued.

Corypha umbraculifera, ×
„ australis.
Phœnix dactylifera.
„ sylvestris. ×
„ paludosa. ×
„ farinifera.
„ acaulis. ×
„ lyroensis.
Calamus Rotang.
„ fascicularis. ×
„ extensus.
„ hostilis.
Zalacca edulis.
„ assamica.
Sagus Rumphii.
Borassus flabelliformis.
Latania borbonica.
Hyphæne coriacea.
Areca Catechu.
„ borbonica v. alba, ×
„ triandra. × ‡
„ oleracea.
„ lutescens. ×
„ sp.
Harina caryotoides. × ‡
Caryota urens. × ‡
„ sobolifera.
„ mitis. × ‡
Arenga saccharifera. × ‡
Cocos nucifera. ‡
„ flexuosa.
„ difrondessa?
Desmoncus polyacanthus.
Bactris ciliosa.
Elœis guineensis.
Oreodoxa regia.
Nipa fruticans, ‡
and
Seven undetermined species.

PONTEDEREÆ.

Pontederia vaginalis, ‡
„ plantaginea, ‡

LILIACEÆ.

Gloriosa superba. ×
Lilium longiflorum. ‡
Fritillaria Thomsoniana.
Tulipa Clusiana. ‡

SMILACINEÆ.

Hemerocallis cordata.
„ flava.
Agapanthus umbellatus.
Polianthes tuberosa. ×
Veltheimia viridiflora.
Allium fragans. ‡
„ sativum. ‡
„ Cepa. ‡
„ tuberosum. × ‡
„ nutans. ‡
„ spirale. ‡
Ledebouria hyacinthina.
Scilla coromandeliana.
„ indica. ‡
Ornithogalum pinifolium.
„ caudatum. ‡
Drimia lanceæfolia.
„ media.
Eucomis undulata.
Anthericum tuberosum. ‡
„ Nimmoni.
„ vespertinum. ×
Asphodelus fistulosus.
Tulbaghia violacea.
Ophiopogon Wightianus. ×
„ japonicus. ×
Peliosanthes petiolaris.
„ viridiflora. ×
Asparagus officinalis.
„ acerosa.
„ racemosa. × ‡
„ ethiophagus.
Dianella ensifolia. ‡
„ nemorosa. × ‡
Dracœna angustifolia. ‡
„ ensiformis.

SMILACINEÆ. Continued.

Dracœna ferrea. × ‡
„ arborea.
„ terminalis. ×
„ brasiliensis.
„ umbraculifera.
„ spicata. ×
„ maculata. × ‡
„ australis.
„ reflexa. × ‡
„ cernua.
„ plicata.
„ stricta.
„ Helferiana. ×
„ marginata.
Sanseviera zeylanica. × ‡
„ sessiliflora. × ‡
Yucca glauca. ‡
„ aloifolia. ×
„ superba. ‡
„ serrulata.
„ gloriosa. ×
„ filamentosa.
„ ferruginea.
Xanthorrhœa hastilis.
Eustrephus angustifolius. × ‡
Lomatophyllum macrum. ‡
„ borbonicum. ‡
Aloe barbadensis. × ‡
„ obscura. ×
„ attenuata.
„ abyssinica.
„ intermedia.
„ purpurascens.
„ saponaria. ×
„ arborescens. ×
„ coarctata.
„ humilis.
„ ferox.
„ Commelini.
„ foliosa.
Smilax latifolia. ‡
„ smyrnensis.
„ quadrangularis, ‡
„ maculata. ×

LILIACEÆ. Continued.

Smilax Sarsaparilla.
„ anceps.
„ macrophylla. ‡
„ stipulacea. ‡
„ prolifera. ‡
„ ovalifolia. × ‡
„ laurifolia. × ‡
„ lanceœfolia. ‡
„ baccillaris. ×
Tupistra nutans. × ‡
„ angustifolia. × ‡
„ aurantiacea.

COMMELINEÆ.

Commelina communis. ‡
„ benghalensis. ‡
„ salicifolia. ‡
„ nudiflora. ‡
„ ionasma? ‡
Tradescantia discolor. × ‡
„ virginiana.
„ fuscata.

BUTOMEÆ.

Butomus umbellatus.

ALISMACEÆ.

Sagittaria verticillata. ‡
„ obtusifolia. ‡
„ sagittifolia. ‡
Alisma Plantago. ‡

JUNCEÆ.

Flagellaria indica. + ‡

DIOSCOREÆ.

Dioscorea globosa. ‡
„ alata, ‡
„ rubella. ‡

DIOSCOREÆ. Continued.

Dioscorea purpurea. ‡
„ aculeata. ‡
„ fasciculata. ‡
„ anguina, ‡
„ nummularia. ‡
„ glabra. ‡
„ Dæmonum. ‡
„ pentaphylla. ‡
„ Deppeana. ‡

PANDANEÆ.

Pandanus moschatus. ×
„ lucidus. ‡
„ gratissimus.
„ Melori. ‡
„ amaryllidifolius, ×
„ crassipes. ‡
„ Candelabrum. ‡
„ dubius. ‡
„ fœtidus. × ‡
„ furcatus. × ‡
„ utilis. × ‡
„ sp.

AROIDEÆ.

Pistia Stratiotes. ‡
Ambrosinia spiralis. ‡
„ ciliata. ‡
Arum Colocasium. ‡
„ viviparum.
„ indicum. ‡
„ odorum.
„ prælongum.
„ cucullatum.
„ fornicatum ‡
„ flagelliferum. ‡
„ divaricatum. ‡
„ orixense, ‡
„ trilobatum. × ‡
„ sessiliflorum.
„ campanulatum. ‡

ARoideæ. Continued.

Arum bulbiferum. ‡
„ margaritiferum. × ‡
„ gibbosum.
„ furfuraceum.
„ apertum.
„ sinuosum. ‡
„ punctatum.
„ esculentum. ‡
„ marginatum. ‡
Dracontium triphyllum.
Caladium pictum.
Sauromatum guttatum.
Philodendron crassifolium.
Calla virosa.
„ oblongifolia.
„ calyptrata.
„ aromatica. ×
„ picta.
Pothos caudata.
„ scandens. × ‡
„ officinalis.
„ acaulis.
„ Harrisii.
„ segetifolia.
„ Deppei.
„ obliqua.
„ cannifolia.
„ cordata. ×
„ gigantea. ×
„ decursiva.
„ pinnata.
„ sagittata.
Lasia aculeata. ‡
Acorus Calamus. ×
„ gramineus. ×

LEMNACEÆ.

Lemna orbiculata.
„ globosa.
„ cruciata.

ROXBURGHIACEÆ.

Roxburghia viridiflora. × ‡

TYPHACEÆ.

Typha elephantina.
„ angustifolia.

NAIADES.

Potamogeton indicus. ‡
„ tuberosus.

GRAMINEÆ.

Poa chinensis. ‡
„ cynosuroides. ‡
„ diandra. ‡
„ nutans. ‡
„ plumosa. ‡
„ multiflora. ‡
„ unioloides. ‡
„ gangetica. ‡
Festuca natans.
Aira filiformis. ‡
Eleusine Coracana. ‡
„ stricta. ‡
„ egyptiaca. ‡
„ indica. ‡
„ verticillata. ‡
„ calycina. ‡
Arundo Karka.
„ Donax v. versicolor.
Melica latifolia. ‡
Andropogon serratus. ‡
„ tenellus. ‡
„ conjugatus. ‡
„ filiformis. ‡
„ scandens. ‡
„ aciculatus. ‡
„ punctatus. ‡
„ muricatus. ‡
„ glaber. ‡
„ bicolor. ‡
„ Surdum? ‡
„ saccharatus. ‡
„ laxus. ‡
„ Ischœmum. ‡
„ Nardus. ‡
„ halepensis. ‡
„ Schœnanthus. × ‡

GRAMINEÆ. Continued.

Anthistiria ciliata.
„ polystachya.
„ arundinacea. ‡
Saccharum cylindricum.
„ spontaneum. ‡
„ fuscum.
„ semidecumbens.
„ canaliculatum.
„ Officinarum.
„ chinense.
„ procerum.
„ Sara.
Rottboellia perforata.
Manisuris granularis. ‡
Panicum spicatum.
„ glaucum.
„ holcoides.
„ interruptum.
„ Dactylon.
„ ellipticum.
„ ciliare.
„ cimicinum.
„ corymbosum.
„ brizoides.
„ fluitans.
„ lanceolatum.
„ stagninum.
„ Colonum.
„ cuspidatum.
„ setigerum.
„ repens.
„ hirsutum.
„ verticillatum.
„ italicum.
„ strictum.
„ hispidulum.
„ frumentaceum.
„ tenellum.
„ paludosum.
„ uliginosum.
„ sarmentosum.
„ miliare.
„ melicoides.

GRAMINEÆ. Continued.

Paspalum sp.
Bambusa arundinacea.
„ gigantea. ×
„ stricta.
„ Tulda.
„ Balcoora.
„ baccifera.
„ spinosa.
„ nana. ×

CYPERACEÆ.

Cyperus dubius.
„ monophyllus.
„ compressus.
„ difformis.
„ rotundus.
„ incurvatus.
„ tortuosus.
„ tenuiflorus.
„ Iria.
„ elongatus.
„ Pingori.
„ elatus.
„ verticillatus.
„ distans.
„ tegetus.
Scirpus tuberosus.
„ plantagineus.
„ acicularis.
„ bispicatus.
„ ischœmoides.
„ squarrosus.
„ diphyllus.
„ complanatus.
„ tetragonus.
„ quinquangularis
„ anceps.
„ Kysoor.
Kyllinga monocephala.
„ umbellata.
Carex muricata. ×
„ sp.

RANUNCULACEÆ.

Clematis Viticella.
„ flammea. ×
„ Gouriana. × ‡
„ cylindrica. ‡
„ grata.
„ integrifolia.
„ Cadmia.
Naravelia zeylanica. ‡
Thalictrum foliolosum.
„ elatum.
Anemone nipalensis.
Knowltonia grandifolia.
Nigella indica. ‡
Delphinium Ajacis. ‡

PAPAVERACEÆ.

Papaver somniferum. ‡
Argemone mexicana. ‡

NYMPHÆACEÆ.

Euryale ferox.
Nymphæa alba.
„ Lotus. ‡
„ versicolor.
„ cyanea. ‡
„ esculenta. ‡
„ stellata. ‡

NELUMBONEÆ.

Nelumbium speciosum. ‡

MYRISTICEÆ.

Myristica moschata. ‡

MAGNOLIACEÆ.

Michelia Champaca. ‡
„ Doltsopa. ‡
Magnolia grandiflora.
„ pumila.
„ fuscata.
Liriodendrum grandiflorum.
„ liliiflorum.
Magnoliacea.

ANONACEÆ.

Anona squamosa. × ‡
„ reticulata. × ‡
„ muricata. × ‡
„ Cherimoli. × ‡
Uvaria undulata. × ‡
„ odorata. × ‡
„ ventricosa. × ‡
„ sesquipedalis. ×
„ purpurea. × ‡
„ bicolor. ×
„ macrophylla. × ‡
„ bracteata.
„ rufa.
Guatteria cerasoides. ×
„ suberosa. ‡
„ longifolia. × ‡
„ velutina. × ‡
„ Badajamba. × ‡
„ fasciculata. × ‡
Unona longiflora. + ‡
„ dumosa. ‡
„ penduliflora.
„ lævigata.
„ dasymoschata.
„ pedunculata.
Artabotrys densiflora.
„ odoratissima. × ‡
Hyalostemma Roxburghii. × ‡
Kadsura japonica.

DILLENIACEÆ.

Delima hebecarpa.
„ odorata.
Wormia dentata. × ‡
Dillenia augusta. × ‡
„ speciosa. × ‡
„ scabrella. × ‡
Colbertia coromandeliana. ‡

UMBELLIFERÆ.

Anethum fœniculaceum.
„ Panmorium.
Coriandrum sativum. ‡

ARALIACEÆ.

Panax cochleatum. ‡
„ digitatum.
„ suffruticosum. ×
„ fragrans. ×
„ aculeatum. ×
Hedera floribunda.
Aralia nodiflora. ×
„ digitata.
„ umbraculifera. ×
„ obovata.
Sciodaphyllum pulchellum. ‡

ESCALLONIEÆ.

Itea macrophylla.

BERBERIDEÆ.

Berberis asiatica. ×
Nandina domestica. ×

AMPELIDEÆ.

Cissus glauca. × ‡
„ quadrangularis. ‡
„ fœmina. ‡
„ elongata. ‡
„ auriculata. × ‡
„ latifolia. ‡
„ lanceolaria. × ‡
„ pedata. ‡
„ carnosa. ‡
„ vitiginea. ‡
„ vinifera. ‡
„ indica. ‡
„ bracteolata. ×
„ capensis. ×
„ glaberrima. ×
Leea macrophylla. ‡ ‡
„ sambucina. ‡
„ Staphylea. ‡
„ hirta. ‡
„ crispa. × ‡
„ parallela. ‡
„ sanguinea. ‡

PITTOSPOREÆ.

Pittosporum Tobira.
„ „ v. variegatum. ×
„ ferrugineum.
„ undulatum.
„ verticillatum. ‡

OLACINEÆ.

Olax scandens. ‡ ‡
„ imbricata.
Balanites ægyptiaca. ‡
Gomphandra axillaris.

ONAGRARIÆ.

Fuchsia sp.
„ sp.
„ sp.
Œnothera stricta. ‡
„ mollissima. ‡
„ triloba. ‡
„ tetrapetala, ‡
„ odorata. ‡
„ rosea. × ‡
„ grandiflora. ‡
Jussieua repens. ‡
„ villosa. ‡
Trapa bispinosa. ‡

HALORAGEÆ.

Myriophyllum verticillatum. ‡
„ tuberculatum. ‡
Serpicula verticillata. ‡

COMBRETACEÆ.

Terminalia Catappa. × ‡
„ procera. × ‡
„ Fatrœa. × ‡
„ Bellerica. × ‡
„ Chebula. × ‡
„ angustifolia. × ‡
„ citrina. × ‡
„ Benzoin. ‡
„ oblonga. ‡

COMBRETACEÆ. Continued.

Pentaptera tomentosa. ‡
„ Arjuna. × ‡
„ glabra. ‡
„ bialata. × ‡
„ paniculata. × ‡
Getonia nutans. × ‡
Conocarpus latifolia. ‡
„ acuminata. ‡
Poivrœa pilosa. × ‡
„ coccinea. ×
„ Roxburghii. × ‡
„ densiflora.
Combretum decandrum. ‡
„ chinense. ×
„ extensum. ×
„ acuminatum. × ‡
„ costatum. × ‡
„ bullatum.
„ comosum.
„ Wightianum. ‡
Quisqualis indica. × ‡
Lumnitzera racemosa.

ALANGIEÆ.

Alangium decapetalum. × ‡
Marlea begonifolia. × ‡

RHIZOPHOREÆ.

Rhizophora gymnorhiza. ‡
„ decandra.
Carallia lucida. × ‡
„ lanceœfolia. × ‡

MEMECYLEÆ.

Memecylon capitellatum. × ‡
„ tinctorium. × ‡

MELASTOMACEÆ.

Melastoma erythrophyllum.
„ sp.
„ sp.
Arthrostemma lineatum.

MYRTACEÆ.

Tristania megaphylla.
Melaleuca Leucadendron. ‡
„ Cajuputi. ‡
„ nodosa.
„ sp.
Eucalyptus resinifera.
Callistemon lophanthum.
„ lineare.
„ pinifolium.
„ lanceolatum.
Metrosideros verus. ×
„ linearis. ‡
Psidium pomiferum. ‡
„ polycarpon. ‡
„ pyriferum. × ‡
„ Cujavillus. × ‡
„ guinense. × ‡
„ Cattleyanum.
Jossinia revoluta.
„ buxifolia.
„ elliptica.
Myrtus communis. ×
„ califlora.
„ tomentosa.
„ Pimenta. × ‡
Syzigium balsameum. ×
„ oleinum.
„ nervosum. × ‡
„ glomeratum.
„ fruticosum. ‡
„ myrtifolium. × ‡
„ inophyllum. ‡
„ tetragonum. ‡
Caryophyllus aromaticus.
Eugenia Jambolana. × ‡
„ cymosa. × ‡
„ grata. ‡
„ ximeniflora. ‡
„ lanceœfolia. ‡
„ buxifolia.
„ pulchella. × ‡
„ bifaria. ‡
„ bracteata. ×
„ brasiliensis.
Jambosa malaccensis. × ‡

MYRTACEÆ. Continued.

Jambosa purpurea. × ‡
„ polypetala. × ‡
„ ternifolia. × ‡
„ alba. × ‡
„ vulgaris. × ‡
„ decora. ‡
„ aquea. × ‡
Careya sphœrica. ‡
„ herbacea. ‡
„ arborea. ‡
Barringtonia speciosa. ×
„ acutangula. × ‡
„ racemosa. × ‡
Fœtidia mauritiana. ×

GRANATEÆ.

Punica Granatum. × ‡
„ nana. ‡

PHILADELPHEÆ.

Philadelphus coronarius.
Deutzia scabrella.

CORNEÆ.

Cornus macrophylla. ×
„ oblonga. ×

LORANTHACEÆ.

Loranthus bicolor. ‡
„ globosus. ‡

CUCURBITACEÆ.

Cucumis trigynus. ‡
„ Colocynthis. ‡
„ Melo. ‡
„ sativus. ‡
„ Momordica. ‡
„ utilissimus. ‡
„ turbinatus. ‡

CUCURBITACEÆ. Continued.

Cucumis madraspatensis. ‡
„ integrifolius. ‡
Luffa pentandra. ‡
„ major. ‡
„ acutangula. ‡
„ graveolens. ‡
Bryonia scabrella. ‡
Trichosanthes anguina. ‡
„ dioica. ‡
„ lobata. ‡
„ palmata. ‡
Coccinia indica. ‡
Momordica Charantia. ‡
„ muricata. ‡
„ mixta. ‡
„ umbellata. ‡
Cucurbita Lagenaria. ‡
„ Pepo. ‡
„ Melopepo. ‡
„ Citrullus. ‡
Zanonia clavigera. × ‡
„ integerrima.

CACTEÆ.

Mammillaria pusilla. ×
„ stylata.
„ erecta.
„ tenuis. ×
Melocactus comigerus.
„ erectus.
Echinocactus Rhexii.
„ multiplex.
„ tubiflorus.
„ laniger.
„ erectus.
„ Seripium.
„ sp.
Cereus trigonus.
„ peruvianus. ×
„ grandiflorus. ×
„ triangularis. ×
„ tetragonus. × ‡
„ speciosissimus. ×

CACTEÆ. Continued.

Cereus setosus. ×
„ hybridus.
„ Jenkinsonianus.
„ truncatus. ×
„ candidus.
„ niger.
„ lanuginosus.
„ nycticalus.
„ ciliosus.
„ extensus.
„ regalis.
„ jamaicensis.
„ anisogonus.
„ tortulanus.
„ mysurus.
„ matrinus.
„ loranthoides.
„ ovatus.
„ brasiliensis.
„ coccineus.
„ malacineus.
„ triqueter.
„ obtusus.
„ columnaris. ×
„ multangularis.
„ repandus.
„ Deppei.
„ Bonplandii.
„ virens.
„ subrepandus.
„ Cummingi.
„ retusus.
„ nobilis.
„ Princeps.
„ Castus minor.
„ grandis.
„ gracilis.
„ Bidroida ?
„ hexagonus. ‡
„ sp.
Opuntia curassavica. ×
„ cochinilifer. × ‡
„ vulgaris. ×
„ polycantha.
„ Tuna, × ‡

CACTEÆ. Continued.

Opuntia brasiliensis. × ‡
„ Dillenii. ×
„ microdasys.
„ leucacephalus.
„ Stapelia.
„ senilis.
„ chilensis.
„ triacantha.
„ elatior. ×
„ spinosissima. ×
Pereskia aculeata. ×
„ Bleho. ×
Rhipsalis salicornoides. ×
Epiphyllum latifrons.
„ speciosum-rubrum.
„ marginatum.
„ grandiflorum—coccineum.
„ Vandesii.
„ Freesii.
„ alatum.
„ ciliare.
„ Russellianum.
„ Hitchinii.
„ Jenkinsonii.

HOMALINEÆ.

Blackwellia spiralis. × ‡
„ fœtida. ×

FICOIDEÆ.

Mesembryanthemum cordifolium. × ‡

BEGONIACEÆ.

Begonia argyrostigma.
„ heracleifolia.
„ nitida.
„ reniformis. ‡
„ humilis. ‡

CRUCIFERÆ.

Sinapis nigra. ‡
„ alba. ‡

CRUCIFERÆ. Continued.

Sinapis dichotoma. ‡
„ glauca. ‡
„ rimosa. ‡
„ divaricata. ‡
„ patens. ‡
Raphanus sativus. ‡
Nasturtium montanum. ‡
Cochlearia Armoracia.
Erucago aspera? ‡

CAPPARIDEÆ.

Cleome viscosa. ‡
„ Chelidonii. ‡
„ pentaphylla. ‡
Niebuhria linearis.
„ oblongifolia, × ‡
Cratœva Roxburghii. × ‡
„ Nürvala. ‡
„ obovata. ‡
Capparis horrida. × ‡
„ zeylanica. ‡
„ sepiaria. × ‡
„ aphylla.
„ urophylla.
„ Heyneana.
Roydsia suaveolens.

RESEDACEÆ.

Reseda odorata. ‡

VIOLARIEÆ.

Viola cucullata. ×
„ suffruticosa.
„ primulifolia. × ‡
„ serpens. ×
„ odorata. ×
Ionidium suffruticosum. × ‡
Alsodeia benghalensis. ‡
„ Roxburghii. × ‡

SAMYDEÆ.

Casearia coriacea. ×
„ Vareca.

SAMYDEÆ. Continued.

Casearia glabra.
„ pentandra.
„ glomerata.
„ acuminata.
„ tomentosa.
„ fasciculata.
„ lanuginosa. ‡

MORINGEÆ.

Moringa arabica. ‡

PASSIFLOREÆ.

Passiflora laurifolia. × ‡
„ edulis. × ‡
„ quadrangularis. ×
„ incarnata-var.
„ fœtida. ‡
„ holosericea. ‡
„ minima. × ‡
„ alata.
„ racemosa.
„ Mayana.
„ cœruleo-racemosa.
„ lunata. × ‡
„ chinensis. ×
„ serratifolia. ×
bicolorata.
„ kermesina. ‡
„ incarnato-alba. ×
„ Herbertiana. ×
Murucuia ocellata. × ‡
Modecca triloba.
„ extensa. ×
„ palmata. ‡
„ furfuracea. ×

PAPAYACEÆ.

Carica Papaya. × ‡

FLACOURTIANEÆ.

Flacourtia inermis. ‡
„ cataphracta. × ‡

FLACOURTIANEÆ. Continued.

Flacourtia sepiaria. ‡
„ cordifolia. ‡
„ rotundifolia. ‡
„ ferox. ‡
„ Ramontchi.
„ sapida. × ‡
„ Stigmarota. ×
Roumea chinensis. × ‡
Phoberos Roxburghii. ‡
Choulmoogra odorata. ‡
Hydnocarpus inebrians.

TURNERACEÆ.

Turnera trioniflora. × ‡
„ ulmifolia. × ‡

BIXINEÆ.

Bixa Orellana. × ‡
„ purpurea. × ‡
Prockia Crucis. ×
Ludia spinosa. ×
„ fœtida. ×
Azara integrifolia. ×

GUTTIFERÆ.

Mammea americana.
Garcinia cornea. × ‡
„ Cowa. × ‡
„ purpurea. × ‡
„ paniculata.
„ pedunculata.
„ Gambogia. × ‡
„ lanceœfolia.
„ porrecta. × ‡
„ celebica.
„ Mangostana.
„ dioica. × ‡
Xanthochymus pictorius. × ‡
„ dulcis. × ‡
„ ovalifolius. × ‡
Mesua ferrea. ×
Calophyllum Inophyllum. × ‡

GUTTIFERÆ. Continued.

Calophyllum Tacamahaca.
„ sp.
Canella alba. ×

HYPERICINEÆ.

Hypericum chinense. ×
Ancistrolobus carneus. × ‡
„ eugenifolius. ‡
„ prunifolius.

TERNSTROMIACEÆ.

Cochlospermum gossypinum. × ‡
Saurauja fasciculata.
Camellia japonica.
„ sp.
Thea viridis.

ACERINEÆ.

Acer oblongum. × ‡
„ Negundo. ×

SAPINDACEÆ.

Cardiospermum canescens. × ‡
„ Halicacabum. ‡
Paullinia carthaginensis.
„ brasiliensis.
Schmidelia serrata.
„ dentata.
„ racemosa.
Sapindus emarginatus. × ‡
„ laurifolius.
„ angustifolius.
„ detergens. × ‡
„ Saponaria. ×
„ rubiginosus. ×
„ fruticosus. ×
„ polyphyllus.
„ acuminatus.
Cupania alternifolia.
„ lœvis.
„ canescens. ×
„ sapida. ×

SAPINDACEÆ. Continued.

Stadmannia Sideroxylon.
Tina madagascariensis.
Harpullia cupanioides. ×
Pierardia sapida.
„ dulcis.
Nephelium Litchi. ×
„ Longan. ×
„ variabile. ×
„ rubrum. ×
„ verticillatum.
Scytalia Rambutan.
Melicocca bijuga. × ‡
„ diversifolia.
„ sp.
Dodonœa burmanniana. × ‡
Cossignea borbonica. ‡
Schleichera trijuga. × ‡
Millingtonia simplicifolia. × ‡

HIPPOCASTANEÆ.

Æsculus punduanus.

POLYGALEÆ.

Polygala arvensis. ‡
Securidaca paniculata. × ‡

ELATINEÆ.

Bergia verticillata. ‡
„ ammanioides. ‡

LINEÆ.

Linum trigynum. × ‡
„ tetragynum. × ‡
„ usitatissimum. ‡

STERCULIACEÆ.

Sterculia pallens. × ‡
„ ornata. ‡
„ Balanghas. × ‡

STERCULIACEÆ. Continued.

Sterculia urens. × ‡
„ colorata. × ‡
„ comosa. ×
„ heterophylla. ×
„ acidifolia.
„ villosa. × ‡
„ platanifolia.
„ alata. × ‡
„ guttata. × ‡
„ lanceœfolia. ‡
„ coccinea. × ‡
„ parviflora.
„ angustifolia. ‡
„ fœtida. × ‡
„ populnifolia. × ‡
„ campanulata. × ‡
Heritiera minor. × ‡
„ macrophylla. × ‡
„ acuminata.
Ochroma Lagopus. ‡
Helicteres Isora. × ‡
„ pulchella. × ‡
„ spicata. ‡
„ angustifolia. × ‡
„ virgata. × ‡
„ elongata. × ‡
„ hirsuta. × ‡
Bombax Ceiba. ‡
„ pentandrum. ‡
„ heterophyllum. ‡
„ malabaricum. ×
Adansonia digitata. × ‡
Pentapetes phœnicea. ‡
Dombeya acutangula.
„ undulata.
„ astrapœoides.
„ tiliœfolia.
„ palmata.
Pentaglottis tomentosa. ‡
Actinophora fragrans.
Pterospermum suberifolium. × ‡
„ acerifolium. × ‡
„ acuminatum.
„ semisagittatum, × ‡

STERCULIACEÆ. Continued.

Pterospermum lanceœfolium. × ‡
„ aceroides. × ‡
„ reticulatum. ‡
Astrapœa Wallichii.
Kydia calycina. × ‡
„ fraterna.
Eriolœna Wallichii.
„ Hookeri.
Microchlœna spectabilis. ×
Theobroma Cacao. ‡
Abroma augustum. × ‡
Guazuma tomentosa. × ‡
Commersonia echinata. ‡
Byttneria pilosa. ×
„ aspera. × ‡
„ catalpifolia.
„ ovata. ×
„ sp.
Kleinhovia Hospita. × ‡
Melochia tiliœfolia. ‡
Glossospermum pyramidale. ‡
„ velutinum. × ‡
Riedleia guazumifolia. × ‡
„ borbonica. ‡
„ corchorifolia. ‡
Waltheria indica. ‡
„ velutina. ‡

MALVACEÆ.

Malva polystachya. ‡
„ scoparia. ‡
„ mauritiana. ‡
„ peruviana. ‡
„ caroliniana. ‡
Malvaviscus arboreus. × ‡
Althœa rosea. ‡
Malachra fasciata. ‡
„ capitata. ‡
„ heptaphylla. ‡
Urena lobata. ‡
„ macrocarpa. ‡
„ sinuata. ‡
„ lappacea. ‡

MALVACEÆ. Continued.

Urena rigida. × ‡
„ tricuspis. ‡
Sida nudiflora. ‡
„ angustifolia. ‡
„ macrophylla. ‡
„ acuta. ‡
„ humilis. ‡
„ polyandra. ‡
„ lanceolata. ‡
„ retusa. ‡
„ rhomboidea. ‡
„ rhombifolia. × ‡
„ cordifolia. ‡
„ crispa. ‡
„ tomentosa. ‡
„ horrida. ‡
„ asiatica. ‡
„ indica. ‡
„ graveolens. ‡
„ mollis. × ‡
„ cristata. ‡
„ arida. × ‡
„ montana. ‡
„ periplocifolia. ‡
Abutilon striatum. × ‡
Lagunœa Patersonia. ×
„ lobata. ×
Anoda hastata. ‡
Pavonia odorata. ‡
„ rosea. ‡
„ zeylanica. ‡
Hibiscus populneus. × ‡
„ populneoides. × ‡
„ Lindleyi. × ‡
„ tortuosus. × ‡
„ macrophyllus. × ‡
„ Rosa sinensis. ×
„ phœniceus. × ‡
„ syriacus. × ‡
„ rigidus. ‡
„ peruvianus.
„ Lampas. × ‡
„ culinus. ‡
„ vitifolius. ‡

MALVACEÆ. Continued.

Hibiscus mutabilis. × ‡
„ scandens. ‡
„ chinensis. ‡
„ tricuspis. × ‡
„ surattensis. ‡
„ diversifolius. ‡
„ liliiflorus. × ‡
„ Sabdariffa. ‡
„ radiatus. × ‡
„ longifolius. ‡
„ tetraphyllus. ‡
„ Trionum. ‡
„ sulphureus. ‡
„ cannabinus. × ‡
„ esculentus. ‡
„ furcatus. ‡
Abelmoschus moschatus.
„ ficulneus. ‡
„ longifolius. ‡
„ pentaphyllus. ‡
Decaschistia crotonifolia.
Paritium tiliaceum.
„ Bealei. ×
„ sp.
Gossypium obtusifolium. ‡
„ arboreum. ‡
„ herbaceum. ‡
„ religiosum. ‡
„ vitifolium. ‡
„ acuminatum. × ‡
„ barbadense. × ‡

ELÆOCARPEÆ.

Elæocarpus aristatus. ‡
„ serratus. × ‡
„ rugosus. ‡
„ longifolius. ‡
„ lucidus. × ‡
„ sp.
„ sp.

DIPTEROCARPEÆ.

Hopea faginea. × ‡

DIPTEROCARPEÆ. Continued.

Hopea odorata. × ‡
Shorea robusta. × ‡
Dipterocarpus alatus. ‡
„ turbinatus. ‡

TILIACEÆ.

Corchorus olitorius. ‡
„ fascicularis. ‡
„ fuscus. ‡
„ decemangularis. ‡
„ trilocularis. ‡
Triumfetta ovata. ‡
„ Bartramia. ‡
„ oblonga. ‡
„ trilocularis. ‡
Grewia columnaris. × ‡
„ microstemma. × ‡
„ oppositifolia. × ‡
„ floribunda. × ‡
„ asiatica. × ‡
„ pilosa. ‡
„ occidentalis. × ‡
„ polygama. ‡
„ viminea. × ‡
„ sepiaria. × ‡
„ sapida. ‡
„ sclerophylla. ‡
„ umbellata. ‡
„ abutilifolia. × ‡
„ Microcos. ‡
„ paniculata. ‡
„ ovalifolia. ‡
„ tomentosa. × ‡
„ didyma. ‡
„ denticulata. ‡
„ humilis. × ‡
„ aspera. ‡
Berrya Amomilla. × ‡
Brownlowia elata. × ‡

LYTHRARIEÆ.

Ammannia vesicatoria. ‡
„ octandra. ‡

LYTHRARIEÆ. Continued.

Ammannia multiflora. ‡
Heimia myrtifolia. × ‡
Ginoria americana.
Lawsonia inermis. × ‡
Grislea tomentosa. × ‡
Lagerstrœmia elegans.
„ indica, × ‡
„ Reginæ. × ‡
„ macrocarpa. × ‡
„ parviflora. × ‡
Duabanga sonneratioides. × ‡

MELIACEÆ.

Quivisia heterophylla. ×
Turræa pinnata.
Melia Azederach. ‡
„ composita. × ‡
„ robusta. × ‡
„ sempervirens. × ‡
Azedarachta indica. ‡
Mallea Rothii. × ‡
Amoora Rohitoka. × ‡
„ cucullata. ×
Milnea edulis. ‡
Walsura piscidia. × ‡
Monocyclis robusta. ‡
Epicharis exarillata. × ‡
„ mollis. × ‡
Sandoricum indicum. × ‡
Ekebergia integerrima. ‡
„ indica. ‡
Heynea trijuga. × ‡
„ quinquejuga. ‡
Guarea mollis. ‡
Aglaia odorata. × ‡
„ spectabilis. ‡
„ undulata.
„ Careyana. × ‡
Cedrela Toona. × ‡
Swietenia Mahagoni. × ‡
„ febrifuga. × ‡
„ Chickrassia. ‡
„ Chloroxylon. × ‡

AURANTIACEÆ.

Atalantia pubigera.
„ monophylla. ‡
Triphasia trifoliata. ‡
Limonia alternans. ‡
„ caudata. ‡
„ acidissima. ‡
Cookia punctata. ‡
Murraya exotica. ‡
„ sumatrana. ‡
Bergera Kœnigii. ‡
Micromelum integerrimum. ‡
Clausena nana. ‡
„ suffruticosa. ‡
„ punctata. ‡
„ sumatrana. ‡
„ heptaphylla. ‡
Glycosmis citrifolia. ‡
„ pentaphylla. ‡
„ oxyphylla. ‡
„ tetraphylla. ‡
Feronia Elephantum. × ‡
Ægle Marmelos. × ‡
Citrus acida. × ‡ 11 varieties.
„ medica. × ‡
„ Aurantium. ‡
„ decumana. × ‡
„ Banksii. ‡
Luvunga scandens. × ‡
Sclerostylis atalantioides. × ‡

SPONDIACEÆ.

Poupartia axillaris. × ‡
„ Mangifera. × ‡
„ acuminata. ‡
„ dulcis. × ‡
„ longifolia. × ‡
„ lutea. ‡
„ borbonica.
Shakua excelsa.

RHAMNEÆ.

Zizyphus trinervis. ‡
„ hamosus. × ‡

RHAMINEÆ. Continued.

Zizyphus latifolius, ‡
„ flexuosus. ‡
„ Jujuba. × ‡
„ vulgaris. × ‡
„ glabra. × ‡
„ Caracatta. × ‡
„ Nepetta. ‡
„ incurva. ‡
Berchemia floribunda. ‡
Ventilago madraspatana. × ‡
„ sp.
„ sp.
Rhamnus virgatus. ‡
„ circumscissus. ‡
„ lucidus. ‡
Hovenia dulcis. × ‡
Colubrina asiatica. × ‡
„ napalensis. × ‡
Gouania leptostachya. × ‡
„ madagascariensis. × ‡

CHAILLETIACEÆ.

Chailletia erecta.

BURSERACEÆ.

Boswellia serrata. × ‡
Canarium commune.
„ strictum.
„ geniculatum.
Icica indica. × ‡
Balsamodendron Commiphora. ×
„ Roxburghianum. ×
Sorindeia madagascariensis. × ‡
Garuga pinnata. × ‡
„ madagascariensis.

EUPHORBIACEÆ.

Sarcococca prunifolia. ×
Buxus sempervirens.
Securinega borbonica.
Cicca disticha. × ‡
Emblica vulgaris. × ‡

EUPHORBIACEÆ. Continued.

Kirganelia elegans. ‡
Xylophylla angustifolia.
Phyllanthus Juniperi.
„ cordatus.
„ simplex. ‡
„ obcordata. ‡
„ retusus. × ‡
„ Leucopyrus. ×
„ Niruri. ‡
„ Simsianus. ‡
„ Arenaria. ‡
„ multiflorus × ‡
„ incanus. ‡
„ reticulatus. ‡
„ bæobotryoides. ×
„ patens. × ‡
„ reclinatus. ×
„ tetrandrus.
„ cerasifolius.
„ juniperinus. ×
Andrachne trifoliata. × ‡
Clutia collina. × ‡
„ semperflorens. ‡
„ oblongifolia. × ‡
„ spinosa. ‡
„ scandens. ‡
Bradleia multilocularis. × ‡
„ nitida. × ‡
„ hirsuta. ‡
„ sinica. ×
Briedelia attenuata. × ‡
„ amœna. × ‡
„ Berryana. × ‡
„ lanceæfolia. × ‡
Croton variegatum. ×
„ latifolium. ×
„ Tiglium. × ‡
„ oblongifolium. × ‡
„ elœocarpifolium. × ‡
„ polyandrum. × ‡
„ urophyllum.
„ lepidotum.
„ drupaceum. × ‡
„ lœvigatum. ×

EUPHORBIACEÆ. Continued.

Croton bincurosum.
„ punctatum.
„ iliciodorum. ×
„ rubrum. ×
Hæmatospermum neriifolium. ‡
Jatropha Curcas. ‡
„ multifida. × ‡
„ glandulifera. ‡
„ carnosa. × ‡
„ pandurifolia.
Janipha Manihot. × ‡
„ Yuquilla. × ‡
Rottlera tinctoria. × ‡
„ barbata. ‡
„ rugosa. ‡
„ dicocca. × ‡
„ alba. ‡
„ pterococca. ‡
„ peltata. ×
Govania nivea.
Gelonium fasciculatum. ×
„ bifarium. × ‡
„ lanceolatum. ‡
Ricinus communis. × ‡
„ Mappa.
„ dicoccus. ×
Elæococca vernicosa.
Aleurites triloba. ×
„ pentaphylla. ‡
Anda Gomesii. ‡
Acalypha indica. ‡
Plukenetia corniculata.
Tragia Chamœlea. ‡
„ colorata. ‡
„ involucrata. ‡
Sapium indicum. × ‡
„ sebiferum. × ‡
„ baccatum.
„ cordifolium. ×
„ lineatum.
Hura crepitans. × ‡
Excœcaria Agallocha. × ‡
Dalechampia madagascariensis. ‡
Euphorbia Antiquorum. × ‡

EUPHORBIACEÆ. Continued.

Euphorbia hoyifolia. ×
„ arborescens.
„ lactea. ‡
„ trigona. ‡
„ neriifolia. ‡
„ pyrifolia. ‡
„ ligularia. ‡
„ Tirucalli. ×
„ hirta. ‡
„ thymifolia. ‡
„ Chamæsyce. ‡
„ punicea. ‡
„ prunifolia. ‡
„ Bojeri. × ‡
„ terracina ‡
„ splendens. × ‡
„ jacquiniflora.
Pedilanthus tithymaloides. × ‡
„ carinatus.
Xeroglottis fragrans.
Trewia nudiflora. ‡
„ atroviridis.

CELASTRINEÆ.

Euonymus garcinifolius. × ‡
„ lanceolatus.
„ scandens. ×
„ bullatus.
„ Hamiltonianus. ×
„ glaber. ×
„ grossus.
Celastrus fascicularis. ×
„ pallidus.
„ montanus. ×
„ oblongus. ×
„ verticillatus. ‡
„ nutans. × ‡
„ trigynus. ×
„ buxifolius.
„ stylosus. ×
„ rufus. ×
„ multiflorus. ‡
Elæodendron orientale.
„ glaucum. × ‡

CELASTRINEÆ. Continued.

Hippocratea indica. × ‡
„ obtusifolia. × ‡
„ arborea. ×
„ viminea. ×
„ sp.
Salacia longifolia. × ‡
„ prinoides. × ‡
„ acuminata. ‡
„ Roxburghii. ‡
„ celastrifolia.

STAPHYLEACEÆ.

Dalrymplea pomifera. ×

MALPIGHIACEÆ.

Malpighia coccifera. ‡
„ punicifolia. × ‡
Byrsonima lucida. × ‡
„ pulcherrima. ‡
Hiptage racemosa. × ‡
„ obtusifolia. × ‡
Thryallis brachystachys.
Gaudichaudia granitica. ×
Hiræa nutans. × ‡
„ hirsuta. × ‡
„ napalensis. × ‡
Banisteria laurifolia.
Heteropteris argentea.
Stigmaphyllon aristatum.
Erythroxylum monogynum. ×
„ longifolium.
„ hypericifolium. ×
„ buxifolium.
„ laurifolium.
„ lancifolium.

PORTULACEÆ.

Portulaca oleracea. ‡
„ meridiana. ‡
„ pilosa. ‡
„ Caffra.
Talinum patens. ‡

CARYOPHYLLEÆ.

Dianthus Caryophyllus.
„ paniculatus.
„ suaveolens,
„ chinensis. ‡
„ petræus.
„ barbatus.
„ superbus.
„ Plumieri.
Saponaria officinalis. ‡
Stellaria triandra.

ILLECEBREÆ.

Pharnaceum Mollugo. ‡
„ pentagynum. ‡
Mollugo Spergula. ‡

TAMARISCINEÆ.

Tamarix indica.
„ dioica. ×

OCHNACEÆ.

Ochna squarrosa. × ‡
„ stipulacea. ×
Gomphia angustifolia.

SIMARUBEÆ.

Quassia amara.
Samadera indica.

RUTACEÆ.

Ruta graveolens. ×
„ albiflora. ‡
Cyminosma Reevesii. ‡
„ pedunculatum. ‡

ZRYGOPHYLLEÆ.

Tribulus lanuginosus. ‡
„ cistoides. ‡
Guaiacum officinale. ×

XANTHOXYLEÆ.

Brucea mollis. ‡
„ sumatrana. × ‡
Xanthoxylum undulatum. ×
„ Budrunga. × ‡
„ nitidum. ×
Toddalia floribunda. ×
„ capparidea.
„ aculeata. ×
Fagara triphylla.
„ australis.
Ailanthus excelsus.
„ eglandulosus.

GERANIACEÆ.

Geranium napalense. × ‡
Erodium moschatum. × ‡
Pelargonium cucullatum.
„ Radula.
„ capitatum.
„ ovatum.
„ Malcolmii. ×
„ crassipes. ×

BALSAMINEÆ.

Impatiens Balsamina. ‡
„ lævigata. ‡
Hydrocera triflora. ‡

TROPÆOLEÆ.

Tropæolum pentaphyllum.
„ majus.

OXALIDEÆ.

Averrhoa Carambola. × ‡
„ Bilimbi. × ‡
Oxalis corniculata. ‡
„ sensitiva. ‡
„ Deppei.
„ cafrina.
„ cernua.
„ variabilis v. albiflora.

CORIARIEÆ.

Coriaria nepalensis. ‡

ROSACEÆ.

Rosa multiflora. ×
„ indica.
„ rubiginosa.
„ centifolia.
„ chinensis. ‡
„ semperflorens. ×
„ caroliniana.
„ glandulifera.
„ involucrata. × ‡
„ microphylla.
„ procumbens. ×
„ Bartoniana.
„ canina v. borbonica.
Rubus hexagonus.
„ albescens.
„ rosifolius. ×
„ paniculatus. ‡
Fragaria indica. ‡
„ vesca. ‡
Agrimonia nepalensis.
Kerria japonica. ×
Spiræa Roxburghii. ×
Cratægus crenulata. ×
„ glauca.
Raphiolepis indica. ×
Photinia eugenifolia.
„ japonica.
„ benghalensis. × ‡
Pyrus communis.
„ chinensis.
Cotoneaster affinis.
Pygeum acuminatum.
Prunus armeniaca.
„ violacea.
„ caroliniana.
„ Puddum. ×
„ triflora.
Amygdalus Persica 12 var. ‡
Cerasus Jenkinsii. ‡

LEGUMINOSÆ.

Sophora tomentosa. × ‡
„ glauca. × ‡
„ occidentalis. × ‡
„ japonica. ‡
„ Hopeana. ‡
Edwardsia madraspatana. ‡
„ grandiflora. ‡
Ormosia dasycarpa. × ‡
Virgilia aurea. ‡
„ latifolia. ‡
„ sericea. ‡
Crotalaria grandis. ‡
„ juncea. ‡
„ vasculosa. ‡
„ tenuifolia. ‡
„ tetragona. ‡
„ stricta. ‡
„ fulva. ‡
„ pulcherrima.
„ retusa. ‡
„ verrucosa. ‡
„ bialata. ‡
„ cuspidulata. ×
„ cytisoides. ‡
„ uncinella. ‡
„ elliptica. ‡
„ laburnifolia. × ‡
„ Trifoliastrum.
„ violacea. ‡
„ pulchella. ‡
„ capensis. ‡
„ quinquefolia. ‡
„ incana. ‡
„ striata. ‡
„ Boroni. ‡
„ pilosa. ‡
Cytisus Cajan. ‡
Medicago ciliata. ‡
„ lappacea. ‡
Trigonella corniculatum. ‡
„ Fænum Græcum. ‡
Trifolium indicum. ‡
„ officinale. ‡
Lotus jacobæus. ‡
„ cyathiferus.

LEGUMINOSÆ. Continued.

Lotus corniculatus. ‡
Psoralea corylifolia. ‡
„ speciosa. ‡
Indigofera linifolia. ‡
„ ornata. ‡
„ Brunoniana.
„ polygonata. ‡
„ argentea. ‡
„ fragrans. ×
„ heterantha. ×
„ hirsuta. ‡
„ viscosa. ‡
„ tinctoria. ×
„ atropurpurea. × ‡
„ virgata. × ‡
„ violacea. × ‡
„ sp. ×
Clitorea Ternatea. × ‡
„ brasiliensis. × ‡
„ Plumieri. ×
Galactia erecta. ‡
Pueraria tuberosa. × ‡
Glycine debilis. ‡
„ involucrata. × ‡
„ labialis. ‡
„ pentandra. × ‡
„ Wightii. ‡
„ Backhousiana.
Wisteria sinensis.
Galega pentaptera. ‡
„ villosa. ‡
Tephrosia coccinea. ‡
„ urophylla. ‡
„ tinctoria. ‡
„ amœna. ‡
„ purpurea. ‡
Amorpha fruticosa. ‡
„ herbacea.
Robinia suberosa. ‡
„ candida. × ‡
„ tinctoria. ‡
„ racemosa. × ‡
„ fruticosa. × ‡
„ macrophylla. × ‡
„ pulchella. ×

LEGUMINOSÆ. Continued.

Robinia paniculata. ‡
„ Pseudacacia. ‡
„ sp.
Agati grandiflora.
Ormocarpum sennoides. ‡
Æschynomene Sesban. ‡
„ cannabina. ‡
„ procumbens. ‡
„ uliginosa. ‡
„ aspera. ‡
„ scabra. ‡
„ paludosa. ‡
„ spinosa.
Smithia sensitiva. ‡
Lourea Vespertilionis. ‡
Uraria retrofracta. ‡
„ cordata. × ‡
„ campanulata. × ‡
„ floribunda. ‡
„ hamosa. ‡
„ crinita. ‡
Desmodium purpureum. ‡
„ paniculatum. × ‡
„ gyroides. × ‡
„ ancistrocarpum. ×
Dicerma pulchellum. × ‡
Psendarthria viscida. × ‡
Hedysarum Alhaji. ‡
„ virginale. ‡
„ barbatum. ‡
„ amœnum. ‡
„ triquetrum. ‡
„ alatum. × ‡
„ gangeticum. ‡
„ latifolium. × ‡
„ gyrans. × ‡
„ movens. ‡
„ bisputorianum. ‡
„ diphyllum. ‡
„ triflorum. ‡
„ reptans. ‡
„ lycopodioides. ‡
„ formosum. ‡
„ cephalotes. ‡
„ pulchellum. ‡

LEGUMINOSÆ. Continued.

Hedysarum Gentium. ‡
„ guaroides. ‡
„ nutans. ‡
„ pictum. ‡
„ umbellatum. ‡
„ lagenarium. ‡
„ pendulum. ‡
Flemingia Chapar. × ‡
„ nana. × ‡
„ congesta. × ‡
„ stricta. ‡
„ semialata. × ‡
„ strobilifera. × ‡
Cicer Lens. ‡
„ arietinum. ‡
Vicia sativa. ‡
Pisum sativum. ‡
Lathyrus Aphaca. ‡
„ sativus. ‡
Abrus precatorius. × ‡
Kennedya monophylla.
Phaseolus fuscus. ‡
„ alatus. ‡
„ sublobatus. ‡
„ calcaratus. ‡
„ lunatus. ‡
„ radiatus. ‡
„ psoraleoides. ‡
„ Max. ‡
„ Mungo. ‡
„ aureus.
„ trilobus. ‡
Rhynchosia minima. ‡
Canavalia gladiata. × ‡
„ virosa. × ‡
Dolichos speciosus. ‡
„ rotundifolius. ‡
„ Catjang. ‡
„ tetragonolobus. ‡
„ lignosus 7 var. ‡
„ incanus. ‡
„ gangeticus. ‡
„ glutinosus. ‡
„ brachystachys. ‡
„ mollissimus. ‡

LEGUMINOSÆ. Continued.

Dolichos scarabæoides. ‡
„ ferreoloides. ‡
„ vex illatus. ‡
Mucuna pruriens. ‡
„ utilis. ‡
Carpopogon niveus. ‡
„ giganteus. ‡
„ bracteatus. ‡
„ anguinus. ‡
Cylista scariosa. × ‡
Erythrina indica. × ‡
„ stricta. ‡
„ ovalifolia. × ‡
„ suberosa. ‡
„ arborescens. × ‡
„ herbacea. × ‡
„ glauca. × ‡
„ caffra. × ‡
„ sp.
Butea parviflora. × ‡
„ superba. × ‡
„ frondosa. × ‡
„ tetraptera. ‡
Pongamia glabra. × ‡
„ heterocarpa. ‡
„ sericea. × ‡
„ crassifolia. ‡
„ multijuga. ‡
„ uliginosa. ‡
„ ferruginea. × ‡
Galedupa elliptica. × ‡
„ marginata. ‡
Dalbergia oojeinensis. × ‡
„ latifolia. × ‡
„ glauca. ‡
„ Sissoo. × ‡
„ frondosa. × ‡
„ paniculata. ‡
„ zeylanica. ‡
„ robusta. × ‡
„ marginata. × ‡
„ scandens. × ‡
„ tamarindifolia.
„ rimosa. × ‡
„ spinosa.

LEGUMINOSÆ. Continued.

Dalbergia sympathetica. ×
„ sp.
Pterocarpus santalinus.
„ Marsupium. × ‡
„ dalbergioides. × ‡
„ indicus. × ‡
Arachis hypogœa. ‡
Gleditschia triacantha. × ‡
Gymnocladus canadensis. ×
Guilandina Bonduc. × ‡
„ Bonduccella. ‡
Cæsalpinia Sappan. × ‡
„ digyna. ×
„ cucullata. × ‡
„ mimosoides. ×
„ sepiaria. × ‡
„ paniculata. × ‡
„ chinensis.
„ tortuosa. × ‡
„ Coriaria. × ‡
„ punctata.
„ sp.
Poinciana pulcherrima. × ‡
„ Gilliesii. ‡
„ elata. × ‡
„ regia. × ‡
Parkinsonia aculeata. ‡
Ceratonia Siliqua. ×
Hæmatoxylum campechianum. × ‡
Hardwickia binata. ×
„ pinnata. ‡
Jonesia Asoca. × ‡
Colvillea racemosa.
Amherstia nobilis.
Tamarindus indica. × ‡
„ occidentalis. ‡
Cassia attenuata. ‡
„ baccillaris. ‡
„ Tora. ‡
„ bicapsularis. ‡
„ purpurea. ‡
„ occidentalis. ‡
„ Fistula. × ‡
„ lanceolata. ‡
„ Sophora. ‡

LEGUMINOSÆ. Continued.

Cassia florida. × ‡
„ nodosa. × ‡
„ auriculata. ×
„ javanica. × ‡
„ alata. ‡
„ marginata. × ‡
„ glauca. × ‡
„ marylandica. ‡
„ brasiliana. × ‡
„ Chamæcrista. ‡
„ dimidiata. ‡
„ hirsuta. × ‡
„ biflora. × ‡
„ Wightiana. ‡
„ palmistipula. × ‡
„ fulgens. × ‡
Schotia speciosa.
„ latifolia.
Cynometra polyandra. × ‡
„ cauliflora. ‡
Outea bijuga. × ‡
Hymenœa Courbaril. × ‡
„ verrucosa. ‡
Bauhinia Richardiana. × ‡
„ variegata. ‡
„ emarginata × ‡
„ candida. ‡
„ purpurea. × ‡
„ triandra. × ‡
„ parviflora. ‡
„ microphylla. × ‡
„ porrecta. × ‡
„ Vahlii. × ‡
„ acuminata. ‡
„ tomentosa. × ‡
„ anguina. × ‡
„ corymbosa. ×
„ semibifida.
„ malabarica.
„ Lingua. × ‡
„ brachycarpa. × ‡
„ polycarpa. × ‡
„ diphylla. × ‡
„ piperifolia. ×
„ aurantiacea.

LEGUMINOSÆ. Continued.

Bauhinia madagascariensis.
„ speciosa. × ‡
Cercis Siliquastrum.
Castanospermum australe.
Entada madagascariensis.
„ Pursaetha. × ‡
„ polystachya, × ‡
„ pudica. × ‡
„ octandra. × ‡
„ Intsia. × ‡
„ sensitiva. × ‡
„ asperata. × ‡
Gagnebina Richardiana.
Parkia Brunonis. × ‡
„ biglandulosa. × ‡
Inga Xylocarpa. ‡
„ bigemina. × ‡
„ Unguis Cati. × ‡
„ dulcis. × ‡
„ latifolia.
„ Harrisii.
„ umbrosa. × ‡
„ umbellata. × ‡
„ ps. indeterm: 3 .
Darlingtonia brachyloba.
Desmanthus triqueter. ‡
„ natans. ‡
„ punctatus. ‡
Adenanthera pavonina. × ‡
„ falcata. × ‡
Prosopis spicigera. × ‡
Acacia mollis. ‡
„ Sirissa. × ‡
„ speciosa. ‡
„ odoratissima. ‡ ‡
„ elata. × ‡
„ Wightü. ‡
„ Suma. ‡
„ amara. ‡
„ Smithiana. × ‡
„ Careyana. ‡
„ stipulata. × ‡
„ myriophylla. ‡
„ arabica. × ‡
„ leucophlæa. × ‡

LEGUMINOSÆ. Continued.

Acacia tomentosa. ‡
„ dumosa. ‡
„ ferruginea. ‡
„ Catechu. × ‡
„ Sundra. × ‡
„ glauca. × ‡
„ asp era. ‡
„ rugata. × ‡
„ diluta. × ‡
„ pennata. × ‡
„ caesia. ‡
Dichrostachys cinerea. × ‡
Vachellia farnesiana. × ‡
Leguminosæ indeterm: 2.

CONNARACEÆ.

Connarus nitidus. × ‡
„ igneus.
„ sp.
„ sp.
Cnestis monadelpha. ‡

CHRYSOBALANEÆ.

Chrysobalanus Icaco. × ‡
Parinarium Matoma.
„ Porterianum.
Prinsepia utilis. ×

CALYCANTHEÆ.

Calycanthus florida. ×
„ præcox.

SAXIFRAGEÆ,

Hydrangea mutabilis.
Saxifraga ligulata.

CRASSULACEÆ.

Kalanchoe teretifolia. × ‡
„ laciniata. × ‡
„ spathulata. × ‡

CRASSULACEÆ. Continued.

Kalanchoe virens. × ‡
Bryophyllum calycinum. × ‡
Sedum cuneatum.
„ oxyphyllum.

AMYRIDEÆ.

Amyris punctata. × ‡
Sabia lanceolata.
„ limonifolia. ×

ANACARDIACEÆ.

Anacardium occidentale. × ‡
Semecarpus Anacardium. × ‡
„ humilis. ×
„ Cassuvium. ‡
„ cuneifolia. × ‡
„ acuminata. × ‡
Holigarna racemosa.
Mangifera indica. × ‡
„ acuminata.
„ oppositifolia. × ‡
„ sylvatica.
Buchanania latifolia.
„ angustifolia.
Melanorrhœa usitata. × ‡
Pistacia Lentiscus.
Rhus Toxicodendron. ×
„ vernix. ×
„ Buckiamela. × ‡
„ juglandifolia. ‡
„ lucida.
„ parviflora,
„ paniculata ‡
„ zangibariensis. ×
„ mysorensis.
„ sp.
Phlebochiton extensus. × ‡
Odina Wodier. ‡
Schinus terebinthifolius. ×

CUPULIFERÆ.

Quercus Ægilops.
„ virens.

CUPULIFERÆ. Continued.

Castanea indica. ×
„ tribuloides.

SCEPACEÆ.

Lepidostachys Roxburghii. ×

URTICEÆ.

Urtica scabrella. × ‡
„ smilacifolia. ×
„ subperforata. ×
„ alienata. ×
„ tuberosa. × ‡
„ pentandra ‡
„ interrupta. ×
„ coronulata.
„ involucrata. ‡
„ tenacissima. ‡
„ naucleiflora. ×
„ hastilis.
„ biloba.
„ photeinophylla.
„ nivea. ×
„ macrostachya. × ‡
Bœhmeria viminea. ×
Procris punctata.
Cannabis sativa. ‡
Antiaris toxicaria.
Morus indica.
„ lœvigata.
„ nigra.
„ difaria.
„ atropurpurea. ‡
„ rubra.
„ indica v. alba.
„ ——— v. multicaulis.
„ scandens. ×
Broussonetia papyrifera. × ‡
Ampalis madagascariensis. × ‡
Ficus Carica. × ‡
„ pilulifera. × ‡

URTICEÆ. Continued.

Ficus hirsuta. ‡
„ erythropylla.
„ biglandulosa.
„ virgata. ‡
„ bullata. ‡
„ hirta. × ‡
„ scabrida.
„ heterophylla.
„ albinervis. ×
„ artocarpifolia.
„ mangifolia. ×
„ auriculata.
„ repens.
„ elastica. ×
„ indica. × ‡
„ religiosa, × ‡
„ pisifera. × ‡
„ cordifolia. × ‡
„ infectoria. × ‡
„ excelsa. × ‡
„ urophylla. × ‡
„ laccifera. × ‡
„ macrophylla. ‡
„ nitida. × ‡
„ lanceolaria. × ‡
„ glomerata. × ‡
„ conglomerata. ‡
„ congesta. ‡
„ aurantiaca.
„ terebrata.
„ sp.
Dorstenia Contrayerva. × ‡
Artocarpus incisa.
„ integrifolia. × ‡
„ Lacusha. × ‡
„ Chaplasha. × ‡
„ echinata. ‡
„ oblonga.
„ angustifolia.
Maclura aurantiaca. ×
„ Calcar galli. ×
Batis spinosa.
„ fruticosa. × ‡
„ aurantiaca. × ‡
Brosimum Alicastrum. ×

URTICEÆ. Continued.

Galactodendron Humboldtii.
Trophis aspera. × ‡
Urticea indeterm s.

CERATOPHYLLEÆ.

Ceratophyllum verticillatum.

CELTIDEÆ.

Ulmus virgata.
„ integrifolia. ‡
Celtis orientalis. × ‡
„ occidentalis. × ‡
„ tetrandra. × ‡

STILAGINEÆ.

Stilago Bunias. × ‡
„ diandra. × ‡
„ lanceolaria.
„ tomentosa. × ‡
Antidesma pubescens. ‡
„ rugosum.
„ paniculatum. ‡
„ macrophyllum. ×
„ madagascariense.
Falconera Wallichiana. × ‡

MYRICEÆ.

Myrica sapida.
Putranjiva Roxburghii. ‡

JUGLANDEÆ.

Juglans regia.
„ pterococca.

CASUARINEÆ.

Casuarina muricata. × ‡
„ equisetifolia. × ‡

CHLORANTHEÆ.

Chloranthus erectus. ×
„ inconspicuus.

SAURUREÆ.

Honttuynia cordata.

PIPERACEÆ.

Piper nigrum. ×
„ cuneifolium. ×
„ longum. × ‡
„ Betel. ‡
„ Cubeba.
„ magnolifolium. ×
„ pereskifolium.
„ Chaba. × ‡

SALICINEÆ.

Salix babylonica. ×
„ tetrasperma. ×

MONIMIACEÆ.

Mithridatea quadrifida.

SANTALACEÆ.

Santalum album ‡

ELÆAGNEÆ.

Elæagnus dulcis. × ‡
„ triflorus. ‡
„ confertus. × ‡
„ ferrugineus. × ‡

THYMELEÆ.

Daphne viridiflora. × ‡
Linostoma decandrum. ‡
Jenkinsia assamica.

HERNANDIACEÆ.

Hernandia ovigera. × ‡
Inocarpus edulis. ×

AQUILARINEÆ.

Aquilaria Agallochum. ×

PROTEACEÆ.

Grevillea robusta.

LAURINEÆ.

Cinnamomum caudatum. × ‡
„ iners.
„ pauciflorum.
„ dulce. ×
„ glanduliferum. × ‡
„ albiflorum. ×
„ zeylanicum. × ‡
Camphora officinalis. ‡
Persea gratissima. ‡
Beilschmidtia Roxburghiana. × ‡
Cryptocarya floribunda. × ‡
Laurus nitida. × ‡
„ nobilis.
„ Parthenoxylon.
„ cupularis.
Tetradenia foliosa.
„ umbrosa. ×
Tetranthera nitida. ‡
„ angustifolia. ‡
„ Roxburghii. × ‡
„ bifaria. × ‡
„ monopetala. ‡
„ quadriflora. ‡
„ macrophylla. ×
„ glauca. ×
Litsæa chinensis. ‡
Ocotea glaucescens. ×
„ lanceolaria.
„ mollis.
Cassytha filiformis. ‡

ILLIGEREÆ.

Gyrocarpus Jacquini. × ‡

NEPENTHEÆ.

Nepenthes distillatoria.

ARISTOLOCHIÆ.

Aristolochia saccata.
„ indica.
„ anguicida. ×
„ fœtens.
„ brasiliensis.
„ Clematitis.
„ trilobata.
„ hyperborea.
„ sempervirens.

AMARANTHACEÆ.

Amaranthus viridis. ‡
„ lividus. ‡
„ oleraceus. ‡
„ gangeticus. ‡
„ lanceæfolius. ‡
„ atropurpureus. ‡
„ melancholicus. ‡
„ fasciatus. ‡
„ tenuifolius. ‡
„ spinosus. ‡
„ caudatus. ‡
Celosia argentea. ‡
„ cristata. ‡
„ cernua. ‡
Achyranthes aspera. ‡
„ lappacea. ‡
„ alternifolia. ‡
„ ferruginea. ‡
„ lanata. ‡
„ triandra. ‡
Desmochœta velutina. ‡
Deeringia staminea.
„ celosioides. × ‡

CHENOPODEÆ.

Spinacia tetrandra. ‡
Beta benghalensis. ‡

CHENOPODEÆ. Continued.

Atriplex hortensis. ‡
Chenopodium album. ‡
„ ambrosioides. ‡
Basella rubra.
„ alba. ‡
„ cordifolia. ‡
Boussingaultia baselloides. ×

TETRAGONIACEÆ.

Tetragonia extensa. ‡
Sesuvium repens.

PHYTOLACCEÆ.

Phytolacca acinosa.
Rivina lævis. × ‡

POLYGONEÆ.

Rumex acutus. ‡
„ vesicarius. ‡
„ uncinatus. ‡
Coccoloba uvifera. ×
„ excoriata. ×
„ pubescens.
„ macrophylla.
„ punctata.
Ceratogonum atriplicifolium. ‡
Polygonum adenotrichum.
„ nutans.
„ microcephalum. ×
„ Fagopyrum. ‡
„ lanatum. ‡
„ repens. ‡
„ paludosum. ‡
„ tomentosum. ‡
„ glabrum. ‡
„ tenellum. ‡
„ aviculare. ‡
„ flaccidum. ‡
„ pilosum. ‡

NYCTAGINEÆ.

Mirabilis Jalapa. × ‡
Pisonia aculeata.

NYCTAGINEÆ. Continued.

Pisonia villosa. ×
„ grandis.
„ inermis.
Boerhaavia repanda. ‡
„ procumbens. ‡
„ diffusa. ‡

MENISPERMEÆ.

Menispermum tomentosum. ×
„ hirsutum.
„ canadense.
„ polycarpon. ‡
„ laurifolium. ×
„ villosum.
„ Cocculus. × ‡
Cocculus cordifolius. × ‡
„ palmatus. ‡
„ verrucosus. × ‡
„ suberosus. ‡
„ triander. ‡
„ calophyllus. × ‡
Tiliacora racemosa. ‡
Clypea Burmanni.
Cissampelos hexandra.
„ convolvulacea.
„ glabra. ‡
„ hernandifolia. × ‡
„ mauritiana.

LARDIZABALEÆ.

Stauntonia latifolia.

BREXIACEÆ.

Brexia madagascariensis. × ‡

ERICINEÆ.

Andromeda piperifolia. ‡

VACCINIEÆ.

Thibaudia setigera.
„ variegata.
Gaylussacia salicifolia.

Epacrideæ.

Epacris sp.

Primulaceæ.

Anagallis arvensis. ‡

Myrsineæ.

Myrsine bifaria. ×
„ semiserrata.
„ capitellata. × ‡
Ægiceras fragrans.
Ardisia uvigera.
„ paniculata. × ‡
„ umbellata. × ‡
„ humilis. × ‡
„ neriifolia. ‡
„ colorata. × ‡
„ citrifolia. ‡
„ pedunculata. × ‡
„ floribunda. ‡
„ hymenandra.
„ solanacea. ‡
Embelia robusta. ×
„ nutans. ×
„ villosa.
Choripetalum aurantiacum. ×
„ Reevesianum. ×
Mæsa indica.
„ macrophylla. ×
„ ramentacea.
„ nemoralis. ×
„ Missionis.
Jacquinia ruscifolia.
Theophrasta latifolia.

Sapoteæ.

Achras Sapota. × ‡
„ Mimusops. ‡
„ sessiliflora.
„ sp.

Sapoteæ. Continued.

Imbricaria borbonica. ‡
Mimusops hexandra. × ‡
„ Elengi. × ‡
„ Kaki. × ‡
„ angustifolia.
„ sp.
Bassia latifolia. × ‡
„ longifolia. × ‡
„ butyracea. ×
Bumelia Sideroxylon.
Chrysophyllum acuminatum. ‡
„ oblongum.
„ macrophyllum. ‡
„ Cainito var. ‡
Sideroxylon inerme. ×
„ regium.

Ebenaceæ.

Diospyros vaccinioides. ×
„ nigricans. × ‡
„ Kaki. ‡
„ Ebenum.
„ melanoxylon.
„ tomentosa.
„ glutinosa. × ‡
„ Sapota. × ‡
„ racemosa.
„ montana.
„ stricta. × ‡
„ Chloroxylon.
„ grandifolia.
„ lanceœfolia. ‡
„ cordifolia. × ‡
„ calycina.
„ ramiflora.
„ grata.
Maba buxifolia. × ‡
Mabola discolor. × ‡
Royena pubescens.

Aquifoliaceæ.

Cassine barbata. ‡
„ excelsa. ‡
Siphonodon celastrineus.

CONVOLVULACEÆ.

Cuscuta reflexa. ‡
„ capitata. ‡
Rivea tiliifolia. ‡
„ Bona nox. ‡
„ ornata. × ‡
Argyreia floribunda. ‡
„ setosa. × ‡
„ splendens. ‡
„ festiva. × ‡
„ aggregata. + ‡
„ speciosa. ‡
„ argentea. ‡
„ capitata. × ‡
„ cuneata. × ‡
„ Wallichii. × ‡
Quamoclit vulgaris. ‡
„ phœnicea. ‡
„ coccinea. ‡
Batatas paniculata. ‡
„ cissoides. ‡
„ edulis. ‡
„ stipulacea. ‡
„ albo-hirsuta.
Pharbitis purpurea. ‡
„ Nim. ‡
„ hispida. ‡
Calonyction speciosum. ‡
„ muricatum. ‡
„ Pes Capræ. ‡
Ipomœa polyanthes. × ‡
„ dasysperma. × ‡
„ staphylina. ‡
„ cymosa. × ‡
„ dentata. ‡
„ sessilifolia. ‡
„ tridentata. ‡
„ Turpethum. ‡
„ vitifolia. × ‡
„ sinuata. ‡
„ reptans. ‡
„ lactea. × ‡
„ Wightii. ‡
„ sedifolia. × ‡
„ macrorhiza. × ‡
„ salicifolia. ‡

CONVOLVULACEÆ. Continued.

Ipomœa sepiaria. ‡
„ cœrulea. ‡
„ Pes Tigridis. ‡
„ pileata. ‡
„ chryseidis. ‡
„ bifida. ‡
„ Boottii. ‡
„ pendula. × ‡
„ rubens. × ‡
„ straminea. ‡
„ tuberosa. ×
„ obscura. ×
Jacquemontia hastigera. ‡
Convolvulus fastigiatus. ‡
„ discolor. ‡
„ umbellatus. ‡
„ heptophyllus. ‡
„ major. ‡
„ viscidus. ‡
Aniseia Rheedei. ‡
Porana volubilis. × ‡
„ paniculata. × ‡
Breweria Roxburghii.. × ‡
Evolvulus alsinoides. ‡

POLEMONIACEÆ.

Caldasia heterophylla. ×

HYDROLEACEÆ.

Nama zeylanica. ‡

LOBELIACEÆ.

Lobelia radicans. × ‡
„ triangulata. ‡
„ Careyana. ‡

SPHENOCLEACEÆ.

Sphenoclea zeylanica. ‡

SCÆVOLEÆ.

Scævola Taccada. × ‡

RUBIACEÆ.

Nauclea Cadamba. × ‡
„ microcephala.
„ macrophylla. ×
„ undulata. × ‡
„ parvifolia. × ‡
„ cordifolia. ‡
Uncaria sessilifructus. ×
Hymenodictyon excelsum.
„ thyrsiflorum. ×
Manettia cordifolia. ×
Mussænda frondosa. × ‡
„ macrophylla. × ‡
„ corymbosa. × ‡
Oxyanthus hirsutus.
Stylocoryne Weberi. ×
Gardenia florida. × ‡
„ carinata.
„ coronaria. ‡
„ latifolia. × ‡
„ arborea.
„ lucida. × ‡
„ Thunbergii.
„ Rothmannia.
„ turgida.
„ uliginosa. × ‡
„ dumetorum. × ‡
„ nutans.
„ longispina. ‡
„ spinosa. ‡
„ Randii. ‡
„ floribunda.
„ densa.
„ stricta. ×
„ mexicana.
„ puberula.
„ odorata.
„ attenuata.
„ coriacea.
Randia cuneata. × ‡
„ acuminata × ‡
„ Candolleana.
„ decussata × ‡
Griffithia fragrans.
Petunga racemosa. × ‡
„ stricta. ‡

RUBIACEÆ.—Continued.

Fernelia buxifolia.
Webera odorata. ×
„ attenuata. ×
„ coriacea.
„ speciosa. ×
Rondeletia tinctoria. ×
„ paniculata.
„ odorata.
Sipania sp.
Dentella repens. ‡
Oldenlandia alata. ‡
„ crystallina.
„ biflora. ‡
„ triflora. ‡
Orthostemma roseum. ‡
Hamelia patens. ‡
„ ventricosa.
„ chrysantha.
Morinda tinctoria. ‡
„ bracteata. × ‡
„ exserta. ‡
„ angustifolia.
„ citrifolia.
„ vagans.
Vangueria spinosa. ‡
„ macrophylla. ‡
„ edulis. ‡
Guettarda speciosa.
Spermadictyon azureum. × ‡
„ suaveolens. × ‡
Leptodermis lanceolata.
Myonima obovata. × ‡
„ multiflora. ×
Lecontea Bojerana.
Pœderia fœtida. × ‡
Canthium parviflorum. × ‡
„ recurvum. × ‡
„ longifolium.
„ angustifolium. ×
„ floribundum. × ‡
Chiococca racemosa. ×
Baconia sp.
Ixora coccinea. × ‡
„ Bandhuca. × ‡
„ lanceolaria. × ‡

RUBIACEÆ. Continued.

Ixora stricta. ×
„ longiflora. ‡
„ alba.
„ cuneifolia. × ‡
„ brachiata. × ‡
„ parviflora. × ‡
„ virgata.
„ undulata. × ‡
„ villosa. ‡
„ acuminata. × ‡
„ opaca.
„ sessilis.
„ rosea. ×
„ barbata. ×
„ incarnata.
Pavetta indica. × ‡
„ tomentosa. × ‡
Coffea arabica. × ‡
„ benghalensis. × ‡
„ tetrandra. × ‡
Psychotria undata. × ‡
„ bicornis. ×
„ stipulacea.
„ Reevesii. × ‡
„ obtusifolia. × ‡
Chazalia borbonica.
Spermacoce teres. ‡
„ lævis. ‡
„ tenuior. ‡
„ scabra. ‡
„ hispida. ‡
Knoxia verticillata.
Serissa fœtida. ×
Rubiacea indeterm. ×

CAPRIFOLIACEÆ.

Lonicera chinensis. ×
„ confusa. ×
„ Leschenaultii. ×
Sambucus rubra.
Viburnum polycarpum.
„ punctatum. ×
„ adenophyllum. ×
„ acuminatum.

COMPOSITÆ.

Sonchus orixensis. ‡
Prenanthes acaulis.
„ linifolia.
„ procumbens.
Cichorium Intybus. ‡
Scolymus sp. ‡
Hieracium Wallichii.
Carthamus tinctorius. ‡
Carduus lanatus. ‡
„ elongatus. ‡
Serratula carthamoides. ‡
„ coccinea. × ‡
Cacalia cylindracea. × ‡
„ purpurascens. × ‡
„ sonchifolia. ‡
„ hieracioides. × ‡
„ carnosa. × ‡
Centaurea bracteata. ‡
„ pratensis. ‡
„ nigricans. ‡
„ splendens. ‡
Gynura nepalensis. × ‡
„ bicolor. × ‡
Notonia grandiflora. ×
Vernonia bracteolata. ‡
„ anthelminthica. ‡
„ vagans. × ‡
„ bracteata. ‡
Eupatorium Ayer Punna. ×
„ divergens. × ‡
„ asperum. × ‡
„ repandum.
Decaneurum grande. × ‡
Pectis humifusa. ‡
Elephantopus scaber. ‡
Lagascea mollis. ‡
Ageratum cordifolium. ‡
„ conyzoides v. mexicana. ‡
„ dumosum. × ‡
Aster mutabilis. ‡
„ venosus. ‡
„ œstivus. ‡
„ annuus. ‡
„ sp.
Psiadia dentata.

COMPOSITÆ. Continued.

Senecio undulatus.
Erigeron asteroides.
Amphirapis intermedia. ‡
Microglossa sessiliflora. × ‡
Spilanthus annuus. ‡
„ oleraceus. ‡
Bidens Wallichii. ‡
Artemisia vulgaris. ‡
„ lactiflora. ‡
„ grata. ‡
„ indica. ‡
„ parviflora. ‡
„ sp.
Chrosostephium artemisioides.
Gnaphalium strictum. ‡
„ depressum. ‡
„ alboluteum. ‡
„ indicum. ‡
Conyza corymbosa. × ‡
„ balsamifera. ‡
„ laciniata. ‡
„ lacera. ‡
„ stricta. ‡
„ chinensis. ‡
„ Sitta? ‡
Tagetes erecta. ‡
„ patula. ‡
Zinnia pauciflora. ‡
„ multiflora. ‡
„ elegans. ‡
Cosmia sulphurea. ‡
„ parviflora. ‡
Chrysanthemum indicum. × ‡
„ chinense. × ‡
Pyrethrum frutescens. ‡
Eclipta prostrata. ‡
Verbesina calendulacea. ‡
„ scandens. × ‡
„ sativa. ‡
Synedrella nodiflora. ‡
Helianthus annuus. ‡
„ tuberosus. × ‡
„ lævis.
Rudbeckia triloba.

COMPOSITÆ. Continued.

Coreopsis tinctoria. ‡
„ coronata. ‡
Balbisia elongata. ‡
Calendula officinalis. ‡
Parthenium Hysterophorus. ‡
Sphœranthus mollis. ‡
„ indicus. ‡
Hingtsha repens.
Solidago canadensis.
Dahlia variabilis. ×
Achillea nobilis. ×
„ macrophylla.
Xanthium indicum. ‡

DIPSACEÆ.

Dipsacus mitis.

PLANTAGINEÆ.

Plantago major. ‡
„ attenuata.
„ asiatica. ‡
„ Ispaghula. ‡

PLUMBAGINEÆ.

Plumbago zeylanica. ×
„ rosea. ×
„ capensis.

CORDIACEÆ.

Cordia Myxa. × ‡
„ Myxa v. Benthamensis.
„ tectonæfolia. ‡
„ latifolia. ‡
„ Gerascanthus.
„ polygama. ×
„ reticulata. × ‡
„ Sebestena.
„ serrata. ×
„ grandis. × ‡
Erycibe paniculata. ×

Ehretiaceæ.

Ehretia aspera.
„ lævis. × ‡
„ buxifolia. × ‡
„ serrata. ×
„ graveolens.
Heliotropium peruvianum. × ‡
„ curassavicum. ‡
„ indicum. ‡
„ parviflorum. ‡

Boragineæ.

Coldenia procumbens. ‡
Echium violaceum. ‡
Lycopsis arvensis.
Trichodesma indicum. ‡
„ zeylanicum. ‡
Anchusa italica.
Cynoglossum Falconerianum.

Labiatæ.

Ocymum villosum. ‡
„ sanctum.
„ polystachyum. ‡
„ caryophyllatum. ‡
„ Basilicon. ‡
„ gratissimum. ‡
„ cristatum. ‡
„ thyrsiflorum. ‡
„ micranthum. × ‡
Geniosporum strobiliferum. ‡
Orthosiphon incurrus. × ‡
„ stamineus. × ‡
Saccostoma urticifolium. ‡
Plectranthus cordifolius. ‡
„ punctatus. ×‡
„ rugosus. ‡
„ parviflorus. × ‡
Coleus scutellarioides. × ‡
„ aromaticus. × ‡
Hyptis suaveolens. ‡
„ radiata. × ‡
„ corylifolia. ‡
Lavandula Spica. ‡

Labiatæ.—Continued.

Pogostemon plectranthoides. × ‡
Dysophylla verticillata. ‡
Colebrookia ternifolia.
„ oppositifolia. ×
Mentha verticillata.
„ arvensis. ×
„ fruticosa.
„ crispa.
„ lævigata.
„ piperita.
„ quadrifolia.
„ perilloides.
„ auricularia.
„ viridis. ×
Meriandra benghalensis. ‡
Salvia coccinea. × ‡
„ cana. ‡
„ splendens. × ‡
Rosmarinus officinalis.
Monarda fistulosa. ×
Origanum Marjorana.
Thymus vulgaris.
„ Nepeta.
Hyssopus officinalis.
Melissa officinalis. ×
„ repens. ×
Scutellaria discolor. ×
„ carnea. ×
Nepeta ciliaris.
Leonurus tartaricus. ‡
Anisomeles disticha. ‡
„ ovata. ‡
„ malabarica. ×
Stachys sericea. ‡
„ lanata. ‡
Betonica incana. ‡
Roylea elegans. ‡
Leucas stelligera. ‡
„ polycephala. ‡
„ linifolia ‡
„ Gerardiana.
„ strobilifera. ×
Leonotis nepetifolia.
„ zeylanica. ‡
„ cephalotes.

LABIATÆ. Continued.

Leonotis biflora.
„ esculenta. ‡
„ pilosa.
Holmskioldia sanguinea. ×
Colquhounia coccinea. ×
Gomphostemma parviflorum.
„ melissifolium. ×
Ajuga mollissima.
„ bracteosa.
Cymaria elongata. × ‡
Labiata Pucha Pat. ×

VERBENACEÆ.

Clerodendrum hastatum. × ‡
„ inerme. ×
„ fragrans.
„ phlomoides. × ‡
„ pyramidatum. ‡
„ nutans. × ‡
„ trichotomum. ‡
„ roseum. ×
„ vestitum. ×
„ infortunatum. ‡
„ Kempii. ‡
„ strictum. ‡
„ ardisifolium. × ‡
„ dentatum. ‡
„ serratum. × ‡
„ herbaceum. ‡
„ neriifolium. × ‡
„ odoratum. × ‡
„ aculeatum. × ‡
„ glanduliferum. × ‡
„ squamatum. × ‡
Siphonanthus indicus. ‡
Callicarpa incana. × ‡
„ purpurea. × ‡
„ cana. ‡
„ villosa. ‡
„ arborea. ‡
„ Reevesii. × ‡

VERBENACEÆ. Continued.

Callicarpa lanceolaria. × ‡
„ acuminata. × ‡
Premna procumbens. ‡
„ scandens. × ‡
„ esculenta. ‡
„ grandifolia. × ‡
„ lævis. ×
„ serratifolia. ‡
„ integrifolia. × ‡
„ cordifolia. ‡
„ spinosa. × ‡
„ herbacea. ‡
Hymenopyramis brachiata.
Vitex trifoliata. × ‡
„ Negundo. × ‡
„ alata. × ‡
„ incisa. × ‡
„ arborea. ‡
„ Leucoxylon. × ‡
„ saligna. × ‡
„ heterophylla. × ‡
„ Agnus castus.
Congea pentandra. × ‡
„ azurea. ×
Symphorema involucratum. ×
Gmelina asiatica. × ‡
„ villosa. ‡
„ arborea. × ‡
„ parvifolia. ‡
Tectona grandis. × ‡
„ Hamiltoniana. × ‡
Duranta Plumieri. × ‡
„ Ellisii. × ‡
Streptium asperum. ‡
Verbena Aubletia.
„ nodiflora. ‡
„ jamaicensis. ‡
„ bonariensis. ‡
Stachytarpheta mutabilis. ×
„ orubica. × ‡
Lantana Selloviana. ×
„ trifoliata. ×
„ Camara. ×
„ nivea v. mutabilis. ×

VERBENACEÆ. Continued.

Lantana canescens.
„ aculeata. × ‡

MYOPORINEÆ.

Myoporum debile. × ‡
„ congestum. × ‡

PEDALINEÆ.

Martynia diandra. ‡
Sesamum indicum. ‡
„ murale. ‡

BIGNONIACEÆ.

Bignonia stipulata. × ‡
„ adenophylla. × ‡
„ undulata.
„ æquinoctialis. ×
„ suaveolens. × ‡
„ crispa. ×
„ quadrilocularis.
„ amœna. × ‡
„ longifolia.
„ phlomoides.
„ xylocarpa. × ‡
„ indica. × ‡
„ pubescens. ×
„ suberosa. × ‡
„ venusta. ×
„ viridiflora.
„ glutinosa.
„ multijuga. × ‡
„ echinata.
„ califlora.
„ crucifera.
„ gracilis. ×
„ pinnatifolia.
„ incarnata.
„ venusta.
„ Cherere?
„ Chambolia?

BIGNONIACEÆ. Continued.

Bignonia Chelonoides. ‡
„ cauliflora.
„ sp.
„ sp.
Spathodea serrulata. × ‡
„ Rheedei. × ‡
„ uncinata. ×
Tecoma jasminoides. ×
„ grandiflora.
„ radicans. ×
„ capensis. ×
Catalpa syringæfolia.
Crescentia Cujete. × ‡
„ alata.

GESNERIACEÆ.

Gloxinia speciosa.
„ spec. 3. indeterm.
Loxonia alata.
Æschynanthus Roxburghii.

ACANTHACEÆ.

Thunbergia angulata. ×
„ alata. × ‡
„ fragrans. × ‡
„ grandiflora. × ‡
„ coccinea. × ‡
„ Hawtayneana. ‡
Nelsonia lamiifolia. × ‡
Hygrophila obovata.
Hemiadelphis polysperma. ‡
Dipteracanthus ciliatus. × ‡
„ suffruticosus. ‡
Petalidium bignoniaceum. × ‡
Ruellia suffruticosa. ‡
„ linifolia. × ‡
„ maculata. ×
„ imbricata.
„ longifolia. ‡
„ ringens. ‡
„ triflora. ‡
„ hirta.
Strobilanthes scabra. × ‡
„ auriculata. × ‡
„ callosa. × ‡

ACANTHACEÆ. Continued.

Strobilanthes Sabiniana. ×
„ elegans,
„ lævigata.
Goldfussia anisophylla. ×
„ glomerata.
„ isophylla. ×
„ lamiifolia. ×
Asystasia coromandeliana. × ‡
Barleria polytricha. ‡
„ Prionites. × ‡
„ hirsuta. × ‡
„ buxifolia. ‡
„ cristata. × ‡
„ dichotoma. × ‡
„ cærulea. × ‡
„ ciliata. × ‡
Lepidagathis hyalina. × ‡
Blepharis boerhaaviæfolia. × ‡
Acanthus madraspatensis. ‡
„ ilicifolia. ‡
Crossandra infundibuliformis. × ‡
Phlogacanthus thyrsiflorus. × ‡
„ asperulus. ×
„ curviflorus.
„ guttatus. ×
Graptophyllum hortense. × ‡
Adhatoda corynostachya. ‡
„ Vasica. ‡
„ Betonica. × ‡
„ ramosissima. × ‡
Gendarussa ventricosa. × ‡
„ decussata. × ‡
„ Adhatoda. ‡
„ Neesiana. ×
„ quadrifaria.
„ vulgaris.
„ furcata. ×
„ bifaria. ×
Eranthemum pulchellum. ‡
„ crenulatum. ‡
„ palatiferum. × ‡
„ azureum. ‡
„ strictum. × ‡
Justicia Ecbolium. × ‡
„ micrantha. × ‡

ACANTHACEÆ. Continued.

Justicia repens. ‡
„ procumbens. ‡
„ pectinata.
„ calycotricha. ×
„ peruviana.
„ bilineata.
„ chinensis. ‡
„ guttata.
„ ventricosa.
Rhinacanthus communis. × ‡
Peristrophe lanceolaria. × ‡
„ speciosa. × ‡
„ tinctoria. × ‡
Hypoestes purpurea. × ‡
Rhaphidospora glabra. ‡
Andrographis echioides. ‡
„ paniculata. × ‡

LENTIBULARIÆ.

Utricularia stellaria. ‡
„ fasciculata. ‡
„ biflora. ‡

OROBANCHEÆ.

Orobanche pedunculata.
„ indica. ‡

SCROPHULARINEÆ.

Verbascum Thapsus. ‡
Celsia coromandeliana. ‡
Angelonia salicarifolia.
Linaria purpurea. ‡
„ ramosissima. ‡
Antirrhinum majus. ‡
„ rubrum.
„ triflorum.
Maurandya antirrhinifolia. ‡
„ Barclayana. ‡
Lophospermum erubescens. ×
Browallia elata. ‡
Franciscea uniflora.
Brunsfelsia undulata. ×

SCROPHULARINEÆ. Continued.

Brunsfelsia montana. ‡
„ americana.
Pentstemon angustifolium. ×
„ campanulatum. ×
Russellia juncea. ×
„ floribunda. ×
Stemodia polyantha. ‡
Limnophila orbiculata. ‡
„ globosa. ‡
„ cruciata. ‡
Mimulus scandens.
Gratiola grandiflora. ‡
„ integrifolia. ‡
„ lucida. ‡
„ veronicæfolia. ‡
„ juncea. ‡
„ Monniera. ‡
„ reptans. ‡
„ serrata. ‡
„ parviflora. ‡
„ hyssopioides. ‡
„ racemosa. ‡
Bonnaya reptans. ‡
Limosella diandra. ‡
Buddleia Neemda. ×
„ paniculata. ×
„ madagascariensis.
„ diversifolia. × ‡
Veronica incana.
Scoparia dulcis. ‡
Gerardia delphinifolia.
Bartsia coccinea.

SOLANEÆ.

Capsicum grossum. ‡
„ frutescens. ‡
„ baccatum. ‡
„ purpureum. × ‡
„ minimum. ‡
Solanum coriaceum. × ‡
„ Balbisii.
„ pubescens. ‡
„ spirale. × ‡
„ tuberosum. ‡
„ Lycopersicon. ‡

SOLANEÆ. Continued.

Solanum rubrum. ‡
„ nigrum. ‡
„ Pseudocapsicum. ‡
„ obtusifolium.
„ Melongena. ‡
„ longum. ‡
„ Jacquini. ‡
„ hirsutum. ‡
„ indicum. ‡
„ pentapetaloides. × ‡
„ sp.
„ sp.
Physalis flexuosa. ‡
„ peruviana. ‡
„ minima. ‡
Solandra grandiflora. ×
„ viridiflora.
Datura Stramonium. ‡
„ fastuosa. × ‡
„ Metel. ‡
Brugmansia suaveolens. ×
„ quadrivalvis. ‡
Nicotiana angustifolia. ‡
„ Tabacum.
„ glauca.
Hyoscyamus niger. ‡
Nicandra physaloides. ‡
Cestrum fœtidissimum. ‡

GENTIANEÆ.

Pladera decussata. ‡
Exacum tetragonum.
Villarsia cristata. ‡
„ indica. ‡

SPIGELIACEÆ.

Spigelia marilandica.

APOCYNEÆ.

Echites frutescens. ‡
„ caryophyllata. × ‡
„ paniculata. × ‡
„ macrophylla. × ‡

APOCYNEÆ. Continued.

Echites cymosa.
„ lisianthiflora.
„ acuminata. × ‡
Pentalinum suberectum. × ‡
Ichnocarpus frutescens. × ‡
„ fragrans. ×
Holarrhena mollissima. ‡
„ antidysenterica. × ‡
Beaumontia grandiflora. × ‡
Vallaris dichotoma. × ‡
Parsonsia spiralis. × ‡
Nerium coccineum. × ‡
„ piscidium. ‡
„ odorum. × ‡
Strophanthus caudatus. × ‡
„ dichotomus. ‡
Wrightia tinctoria. ‡
Alstonia scholaris. × ‡
„ venenata.
„ macrophylla. × ‡
„ neriifolia. ×
Vinca rosea. ×
„ major. ×
„ alba.
Tabernæmontana coronaria. × ‡
„ recurva. × ‡
„ crispa. ×
„ dichotoma. ×
Cameraria oppositifolia.
Plumieria alba. × ‡
„ acuminata. ×
Allamanda cathartica. × ‡
Carissa Carandas. × ‡
„ ovata. ‡
„ chinensis. × ‡
„ villosa. × ‡
„ diffusa. ‡
„ indoina? ‡
Melodinus monogynus. × ‡
Strychnos Nux vomica. × ‡
„ Potatorum. × ‡
„ colubrina.
„ spinosa.
„ sp.
Cerbera Odollam. × ‡

APOCYNEÆ. Continued.

Cerbera parviflora. ×
„ Tanghin.
„ fruticosa. ×
„ Thevetia. × ‡
„ Manghas. × ‡
Rauwolfia canescens. × ‡
Ochrosia borbonica.
Hunteria corymbosa. × ‡
Alyxia stellata. ×
Ophioxylon majus.
„ serpentinum. × ‡
Willughbeia edulis. ×
Alafia Thouarsii.
Apocynea indeterm. 1.

ASCLEPIADEÆ.

Ceropegia elegans. ‡
„ ovata. ‡
„ lucida. × ‡
„ Lushii. × ‡
„ Stephanotis. × ‡
„ Vicaryi. ‡
Stapelia variegata. ×
„ Asterias. ×
„ micusta.
„ revoluta. ×
Caralluma fimbriata. × ‡
„ crenulata. ×
„ adscendens. ×
Boucerosia umbellata. ×
Hoya Jenkinsii.
„ Potsii. ×
„ carnosa.
„ parasitica.
„ viridiflora. × ‡
„ mollis.
Tylophora asthmatica. ‡
„ tenuissima.
Marsdenia tenacissima. × ‡
„ Genevi. ×
„ tinctoria. ×
Pergularia odoratissima. ‡
„ minor. ‡
Dischidia benghalensis.

ASCLEPIADEÆ. Continued.

Dischidia Rafflesiana.
Gymnema parvifolium. ‡
„ acuminatum. ‡
„ napalense. ‡
„ pubigerum. ‡
Sarcolobus globosus. ‡
„ carinatus. ‡
Asclepias tunicata. ‡
„ paniculata. ‡
„ tenacissima. ‡
„ curassavica. ‡
„ pseudogratissima. ‡
Calotropis gigantea. ‡
„ procera. ‡
Sarcostemma mauritianum.
Holostemma Rheedei.
Dæmia extensa. ‡
Toxocarpus laurifolius.
Streptocaulon Wallichii.
Hemidesmus indicus. ‡
Periploca græca.
Cryptostegia grandiflora. ‡
„ madagascariensis.
Cryptolepis elegans. ‡
„ reticulata. ‡
Myriopteron paniculatum. ‡

POTALIACEÆ.

Fagraea obovata. ×
Gardnera obovata.

OLEINÆ.

Olea dioica. ×
„ myrtifolia. ×
„ capensis. ×
„ verrucosa.
„ europæa. ×
„ fragrans.
„ glandulifera.
„ attenuata.
„ grata. ×
„ acuminata.
„ chrysophylla.

OLEINÆ. Continued.

Phillyrea robusta. × ‡
„ paniculata. × ‡
Chionanthus macrophyllus. ‡
„ dichotomus.
„ zeylanicus.
Ligustrum nepalense.
„ japonicum. ×
Noronhia emarginata. × ‡
Chondrospermum dentatum. ×
„ smilacifolium. × ‡
Fraxinus chinensis. × ‡
„ floribunda. ×

JASMINEÆ.

Jasminum Sambac. × ‡
„ scandens.
„ pubescens. ‡
„ bracteatum. × ‡
„ bifarium. ×
„ latifolium. × ‡
„ aristatum. ×
„ arborescens. ×
„ angustifolium.
„ approximatum.
„ trinerve.
„ simplicifolium. ×
„ laurifolium.
„ ligustrifolium. ×
„ attenuatum.
„ heterophyllum.
„ auriculatum. ×
„ lanceolatum.
„ fruticans. ×
„ chrysanthum. ×
„ grandiflorum. ×
„ dispermum. ×
„ caudatum. ×
„ syringæfolium. ×
„ calycinum. ×
„ gracile.
Nyctanthes Arbor tristis. ×

GNETACEÆ.

Gnetum Gnemon.
„ scandens.

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CYCADEÆ.

Zamia spiralis.
„ horrida.
„ Hilliana.
„ pugioniformis.
Cycas revoluta. × ‡
„ sphærica. × ‡
„ circinalis. ×

CONIFERÆ.

Pinus longifolia. × ‡
„ Deodara.
Agathis loranthifolia. ‡
Araucaria excelsa.
„ Cunninghani.
Thuja orientalis. × ‡
„ pendula. ×
Cupressus stricta.
„ australis.
„ sempervirens.
„ fastigiatus. ×
„ sp.

CONIFERÆ. Continued.

Cupressus sp.
Juniperus cernua.
„ dimorpha. ×
„ chinensis. ×
„ virginiana.
Dacrydium elatum.
Podocarpus chinensis.
„ macrophyllus. ×
„ elongatus. ×
„ cafrinus.
Taxus nucifera.
Salisburia adiantifolia.

PLANTÆ INCERTÆ SEDIS.

Periplexis rigida. ‡
Sarcostigma Roxburghii. ‡
„ limonifolium. ‡
„ sp.

OMITTED FROM NAIADES.

Spathium undulatum.
„ monostachyum.

No. 5.

LIBRARY DEPARTMENT.

LIBRARY.

This Catalogue having been checked by that prepared by the late Mr. Voigt, is I believe accurate.

There is one Catalogue of the Library which bears some entries in the hand writing of the Superintendent; it is without any date. It appears to have been set aside for some years; it contains a number of books not found now in the Library, among which are the Prodromus of De Candolle, the Muscologia Exotica of Dr. Hooker, &c. &c. &c.

No arrangement of the Books had been attempted. There is no consecutive numbering of the books; nor are any means systematically given, by which it is to be ascertained what books bonafide belong to the Library. Many bear the arms of the Hon'ble Company, but many bear the name of the Superintendent.

Regarding this I may observe that no instructions were left by the Superintendent in claim of any property in this Establishment, beyond some relating to the Mats, Punkahs, &c. It may be taken for granted, therefore, that all the books in the Library belong to Government, more especially since some standard ones, such as Rheede's Hortus Malabaricus, bear the private signature of the Superintendent, yet exhibit his hand writing to the effect that they are public property; many others again have been presented to the Superintendent of the Institution. I am also sure that every Superintendent will readily see the propriety of depositing in the Public Library all presentation copies, on the broad ground that he owes such marks of private favor to the high scientific public situation he is permitted to hold.

This is particularly the case with Dr. Wallich, he having been permitted to distribute not merely his own collections, but all that had been made previously to 1827 on the part of the Government of India; a measure calculated to call forth a corresponding liberality on the part of Botanists in the presentation of books to the Superintendent of the Institution.

An entire account of the sums expended in forming and adding to the Library does not appear to have been kept, nor do I find a register of the dates on which each book was deposited in the Library.

A book has now been set aside in which the mode of acquisition of new books, price if purchased, and the date of deposit will be duly registered.

Another book has been set aside for the registering of all books taken out of the Library by private individuals under the sanction of Government. This is necessary as I do not find that any record has hitherto been kept of the issue of books, or even of the valuable original drawings of Buchanan, &c.

A list of all the additions should be submitted with every annual report on the state of the Establishment.

The Library is deficient in many of the newer and standard works—it contains for instance no copy of De Candolle's Prodromus, a work found in every private Botanist's stock of books.

It is also to be regretted that most of the Scientific Periodical Publications are incomplete; the Botanical Cabinet does not extend beyond 1833; that excellent Journal the Linnœa beyond 1835, the Annales des Sciences Naturelles beyond 1836. Taylor's Philosophical Magazine is extremely incomplete. The Indian Journals are also deficient.

The want of some of the above will render the drawing up of a Scientific Catalogue very difficult.

The measure I would beg to propose to render the Library more complete, consists in the circulation of lists of the desiderata among Botanists, who, I am sure, will gladly contribute presentation copies of their own writings to an institution, in the collections from which most have acknowledgedly shared so largely.

Application might also be made to the Hon'ble Court for a copy of every Scientific book, which the Hon'ble Court may immediately patronise, more particularly those published by their own servants.

Because no public copy of Dr. Wallich's Plantæ Asiaticæ Rariores has found its way into this Library, altho' the Hon'ble Court with its accustomed grandeur of patronage had subscribed, I believe, 1,200 guineas for 40 copies, and the work was got up from materials exclusively Public Indian Property. Likewise there is not a complete copy of Dr. Roxburgh's Coromandel Plants. The remark may be also made applicable to the Journal of the Asiatic Society, which is not supplied.

The Library is now arranged according to the heads, General and Local Botany; Transactions of Societies; Encyclopædias and Dictionaries; Scientific Periodicals; Agriculture and Horticulture; Medical Botany and Medicine; Zoology; Chemistry; Biographies; Travels; and Miscellaneous; each compartment being conspicuously ticketed. The General Botanical works have again been sub-divided under the heads, General, Miscellaneous, Monographs, Elementary, Structural and Physiological Catalogues, and Older Authors.

To remedy the difficulties arising from the defective series of Botanical drawings, attributable to the Superintendent having taken with him to England, where they still are, all the Drawings executed during his Superintendence from 1817 to 1828, I solicit that an application may be made to the Hon'ble Court for their restoral. For the original Drawings of Dr. Roxburgh having been ordered to be deposited here, and copies supplied to the Hon'ble Court, the collections of Botanical Drawings can only be kept complete, by the application of the same rule to all other Superintendents. I may also mention that I do not find any of the Botanical Drawings made during Dr. Buchanan Hamilton's Superintendence in the Library of this Institution, which however contains his very valuable series of original Zoological Drawings.

Abel, Narrative of a Journey in the Interior of China, London 1818, ... 1 vol. 4to.
Abhandlungen der Hallischehen Naturforschenden Gessellchaft,... 1 vol. 8vo.
Abhandlungen der Naturforschenden Gessellchaft in Zurich,..... 3 vols. 8vo.
Acharius, Lichenographia Universalis,..... 1 vol. 4to.
Acta (nova) Academiæ Cæsareæ Leopoldino—Carolinæ Naturæ Curiosorum, tomes, 15, 16, 17, 18, 19,..... ..... 1 vol. 4to.
Acta Regiæ Societatis Medicæ Hafniensis, vol. v. 1818. ..... 1 vol. 8vo.
Adam's Essays on the Microscope, edition 2d, by Frederick Kanmacher,..... 1 vol. 4to.
„ Plates to the same,..... ..... 1 vol. folio.
Adanson, Familles des Plantes,..... ..... 2 vols. 8vo.
Address of Earl Stanhope, President of the Medico—Botanical Society, dated 16th January 1836 and 16th January 1837,..... 2 P. 8vo.
Agardh C. A, Allmän Wext-Biologi,..... ..... 1 vol. 8vo.
„ Lärobok i Botanik,..... 1 vol. 8vo.
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„ „ Medica of Hindoostan, ... 1 vol. 4to.
Aiton Wm. Townsend, Hortus Kewensis, or a Catalogue of the Plants cultivated in the Royal Botanic Gardens at Kew, 2d edition,..... 5 vols. 8vo.
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„ Stirpium Nicæensis enumeratio methodica,..... 1 vol. 8vo.
Alpinus Prosper, De Plantis Ægypti, cum notis, &c, Vesligii, ... 1 vol. 4to.
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Anderson, Recreations in Agriculture, Natural History, &c.,..... 6 vols. 8vo.
Annalen der Botanick herausgegeben Paulus Usteri, 1791-1800,... 8 vols. 8vo.
Annales de l' Institute Royal Horticole de Fromont dirigeés par, Soulange Bodin, Tome premier 1-11 livraisons, Tome seconde Livraisons 16-17-18, ... P. 8vo.
Annales de Museum ..... 20 vols. 4to.
„ (Nouvelles) de Museum „ ..... 4 vols. 4to.
„ (Memoires) de „ ..... 20 vols. 4to.
„ des Sciences Naturelles 1 Series..... 30 vols. 8vo.
„ „ 2 Series, Botanique, ...1834-35-36, 3 vols. 8vo.
„ „ " Atlas des Tomes 10-11-12,..... 1 folio.
„ " " Zoologique 1834-5-6,. ..... 3 vol. 8.

Annals of Botany,	2 vols.	8vo.
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Annals of Philosophy, New Series,	12 vols.	8vo.
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„ „ „ „ Berlin 1802, ... 1 vol. 8vo.

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„ of the Hon'ble Company's Botanical Garden at Calcutta, September 1816.
„ „ „ „ „ at Seharunpore 15th June 1823.
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	12	171	178
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Reptiles,	19
Birds,	349
Quadrupeds,	36

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„ Zoological MSS. marked by Dr. Wallich as deposited in the Botanic Gardens in 1815, no Index, in tolerable order, contains many descriptions, and much information regarding habits, &c. ..... 2 foolscap.

Roxburgh William.

„ MSS. Descriptions of Plants, numbered and indexed; imperfect, 36 parts—foolscap.

„ MSS. (original) of the Flora Indica, ed. 1832, ending with Adelia, incomplete, foolscap, 12 parts.

„ MSS. apparently an epitome of Flora Indica, incomplete (20 first pages wanting); ends with Filices, ... foolscap 1 part.

„ MSS. large folio, apparently an epitome of the Flora Indica alluded to, complete and in good order; ends with Filices, ... 1 vol. Impl. folio

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Wallich Nathaniel.

„ A copy of Roxburgh's Flora Indica, edn. Carey, interleaved, folio, containing remarks, notes, &c. 1 vol. small, 2d large folio. (bis)

„ MSS. Book, entitled Synopsis Plantarum Indiæ Orientalis a Roxburghio, Colebrookio, et Wallichio indagatarum juxta ordines naturales digesta. The method followed is that of DeCandolle. It has no date, and terminates abruptly at Lotus, Leguminosæ. The opposite side of this book is occupied by an alphabetical index, referring to certain numbers, ... 1 vol. folio.

„ MSS. Catalogue of the H. C. Botanic Gardens, according to the Linnean System. Without date. Ceases at Polyadelphia, and appears to be otherwise incomplete, 2 vols. folio.

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Government Plantation Committee Book, (copy,)		3 vols.	folio.

No. 6.

HERBARIUM DEPARTMENT.

DRIED PLANTS.

THE collections of Dried Plants consist, first, of a quantity of specimens that have flowered in the Gardens, (which have been amassing for years,) and other miscellaneous specimens. These are kept in the Seed House; a sort of arrangement of these has been carried on by the natives in charge, but the Nomenclature is exceedingly obsolete and incorrect, and does not correspond with that of Buxoo. No Botanist would credit the existence of such a Nomenclature in a Public Scientific Establishment.

2d. An extensive set of Assam Specimens received from Major Jenkins, Commissioner of Assam.

3d. The collections of the Assam Deputation.

4th. A set of Australian and Indian Plants collected by Captain Vicary, and presented by him to the Hon'ble Court of Directors. The Indian portion of this is in very bad order.

These are kept in the ground floor of the Superintendent's house, a situation from its dampness and darkness by no means conducive to their proper preservation.

These I propose to submit to Government, after detaching a series for the Herbarium of this, as well as for that of the Seharunpore and Bombay Botanic Garden.

HERBARIUM.

In this Department, which is second to none in importance, the institution is deficient, yet from having been the principal scene of the Botanic labours of Roxburgh, and from its containing his drawings, with which there is reason to believe his own authenticated specimens corresponded, it is the place where the first Indian Herbarium in the world might have been expected to be found.

But the great quantities of specimens that had been accumulating for years from all parts of India, the plants collected by Finlayson, Wight, and Wallich, a number collected from this Garden itself, were carried home by the Superintendent, and were, (including the authentic Herbaria of Roxburgh and Buchanan,) at his suggestion, distributed by the orders of the Hon'ble Court among the principal Institutions and Botanists of Europe. This Institution alone received none, although I believe, after the distribution and the final donation of the completest set to the

Linnean Society, an appeal was made to that body in its behalf; from which however no advantage has yet resulted. Independent of the inconvenience caused by this overlooking of the wants of this Institution, the spirit in which the plants were carried home seems to me opposed to the Resolutions of Government, which were the cause of the recovery of Roxburgh's Drawings and of the detention in India of Buchanan's, and the tenour of which seems to have regarded explicitly the necessity of preserving authentic means of determination in the chief Public Scientific Establishment in India.

The first consequence has been that Indian Botanists have not the full means of determining the plants of Roxburgh, Buchanan or Wallich. They are confined at the utmost to Drawings, Manuscripts, or books, sources liable to all the errors of the Artists or Botanists. There is ample proof that Dr. Wallich cannot be sure of one of his own plants.

The consequence to science is either a general tendency to be retarded, for no sound Indian Botanist would attempt to publish extensively in India in default of an authentic Herbarium to consult; or an useless extension to synonymy; since no one can be sure that any particular plant has not been named previously. This is in a high degree the case with Dr. Wallich's Plants; by far the greater part of which have been named without any effort having been made to define them: a circumstance which deprives them of legitimate authority.

Another consequence is the almost insuperable difficulty presented to the preparation of a Scientific Catalogue worthy to be put on a par with Roxburgh's Hortus Benghalensis. For though with Roxburgh's Drawings and his descriptions, his plants may be perhaps identified—this does not apply to Wallich's plants amounting perhaps to 3000. To identify these, at present, one must have recourse to the Linnean Society's Rooms in Soho Square.

In a practical point of view an authentic Herbarium is equally necessary. Thus supposing the Assam Tea Plant (and this appears by no means destitute of foundation,) should turn out to be a different species from the Chinese Plant, or from either the Chinese Green or Chinese Black Teas, supposing them to be specifically distinct, there will be no reason for doubting that this curious and radical error will have arisen from the want of authenticated specimens of the Chinese Plant or Plants. By an error of this nature large sums of money may obviously be lost, besides a large amount of time, for I apprehend, that had the proper comparison been made at first, the Tea cultivation would have had but little reference to the Assam species, which seems so much involved in doubt.

A chief part of the Superintendent's duty should henceforward rigorously require him to deposit in the Public Herbarium of these Gardens, to be kept properly arranged in an upper room of the Superintendent's house, an authentic specimen of each species that may flower in the Garden, and that may form part of every collection sent to England by order of Government. Arrangements should be made for the formation of a General Herbarium, as well as an extensive series of local ones so

valuable as illustrating Botanical Geography, and the Vegetable Statistics of each part of British India. It is a mistake to suppose that such collections cannot be preserved in this country; in an establishment so liberally provided for as this, difficulties, even if greater than they are commonly represented, ought to be steadily overcome.

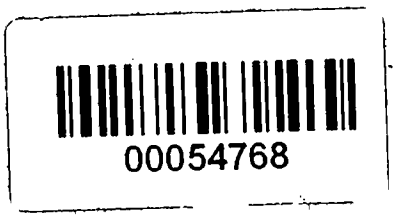
I have commenced forming one from the collections detailed in the first part of this Section. I shall be proud to add to it largely from my own extensive collections, trusting that Government will be pleased to take steps to keep them in this Institution; so that on first starting the Institution will be by no means poor in Indian Plants. I would also beg to recommend application to be made to the India House for a complete series of the various collections made by me under orders of Government, and for the Plants similarly collected by Dr. Helfer; and also for a complete series of all the public collections made during Dr. Falconer's Superintendence of the Botanic Gardens, Seharunpore.

To remedy the deficiency in authentic specimens of Roxburgh, Hamilton, and Wallich, I would propose an application to the Linnean Society through the Hon'ble Court: for specimens for the general Herbarium, the circulation of an address to all Botanists, who shared in the distribution of the East Indian Herbaria, requesting named duplicates in exchange, as well as the adoption of a system of general interchange. I have no doubt that in 3 or 4 years a very sufficient general Herbarium might be procured, and made available to the extension of Indian Botany.

The Herbarium Department when complete should consist of a General Herbarium, and as many local ones, presenting evident peculiarities, as can be obtained; each family or each group should be conspicuously named, so that a stranger Botanist would be able at once to place his hand on the required family.

PAINTERS.

The Painters have been ordered to attend to uniformity of size and proper grouping of the objects represented. All their efforts should be directed to increasing the delineations of plants of British India, and to improving themselves in outline, which is much the most essential part of Botanical Drawings.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